

PHASE I ENVIRONMENTAL SITE ASSESSMENT

FRANKFORT ROUNDHOUSE STATE ROUTE 28 AND BOOMER STREET, FRANKFORT, INDIANA

SME Project Number: 066340.00.04A.012

April 3, 2015





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April 3, 2015

Mr. Shan Sheridan Clinton County Economic Development Department 259 East Walnut Street Frankfort, Indiana 46041

And

Frankfort Midwest Rail Heritage Trust Inc. C/o Mr. C. David Little 253 North Jackson Street Frankfort, Indiana 46041

RE: Phase I Environmental Site Assessment Report

Frankfort Roundhouse

State Route 28 and Boomer Street

Frankfort, Indiana

SME Project No.: 066340.00.04A.012

Dear Mr. Sheridan and Mr. Little:

We have completed a Phase I Environmental Site Assessment (ESA) of the above referenced property, hereinafter referred to as the Property. The enclosed Phase I ESA report presents our interpretation of site conditions at the time the Phase I ESA was completed, based on field observations, a review of readily available historical and regulatory records, and interviews.

The Phase I ESA was requested to identify recorded and readily observable recognized environmental conditions associated with the Property. We understand the Frankfort Midwest Rail Heritage Trust Inc. will rely upon the professional opinions and representations contained in the report in accordance with the terms and conditions agreed upon for the project. This reliance is not to be construed as a warranty or guarantee on the part of SME.

If you have any questions concerning this report, or if additional services are required, please call.

Very truly yours,

SME

Kelly Kuhn Environmental Specialist Christopher G. Shaw, CHMM Senior Project Consultant

Enclosures: Clinton County Economic Development Department, One CD

Frankfort Midwest Rail Heritage Trust Inc., One CD

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1.0 SUMMARY

SME's project team conducted a Phase I Environmental Site Assessment (ESA) of the former Norfolk Southern Frankfort Roundhouse property located at State Route 28 and Boomer Street, in Frankfort, Clinton County, Indiana, hereinafter referred to as "the Property," in conformance with the scope and limitations of ASTM Practice E 1527-13. Any exceptions to, or deletions from, this practice are described in Section 2.4 of this report. The general Property location is shown in Figure 1.

The purpose of this Phase I ESA was to satisfy relevant All Appropriate Inquiry (AAI) requirements to qualify the Frankfort Midwest Rail Heritage Trust Inc. (the User) for applicable landowner liability protections under the Comprehensive Environmental Response, Compensation and Liability Act, as amended (CERCLA). One of the primary objectives is to identify recognized environmental conditions (RECs) in connection with the Property and assess the relative significance of the identified REC(s).

This Phase I ESA report is comprised of the following elements: 1) property description, 2) User-provided information, 3) records review, 4) site reconnaissance, 5) interviews, 6) findings, opinions, and conclusions.

This assessment has revealed no evidence of recognized environmental conditions in connection with the Property except for the following:

- The Property was historically used for locomotive repair and maintenance operations (Sections 5.1, 5.2.4, 5.4.2, 6.3, 6.3.2, 6.3.4, 6.3.6, 6.4, and 6.4.7). A paint shop, machine shops, a transformer house, sludge basins, a water treatment plant, and an electric plant were used in the operations. In the EP's opinion, the potential for environmental impact from unreported and/or undetected release of hazardous substances associated with historical locomotive repair and maintenance operations represents a REC in connection with the Property.
- The Property had LUST incidents reported in the southwest and northwest corners of the roundhouse portion, as well as in the western part of the eastern portion (Sections 5.1, 5.2.4, and 5.4.2). On the roundhouse portion, a gasoline underground storage tank (UST) was removed from the southwest corner and visibly stained soil excavated in 1990. Further investigation was conducted, but no closure documentation was available. The three fuel oil and/or gasoline USTs on the eastern portion were removed, with the surrounding soils over excavated in 1995. The closure documentation indicated that the USTs were taken out of service in the mid-1980s and a leak was detected approximately 10 years later. The report also indicated that four other USTs had been removed from the area, but that no details were known. In the EP's opinion, the potential for environmental impact associated with the LUST incidents represents a REC in connection with the Property.
- Rail spurs were documented on the eastern portion beginning in 1898 (Sections 5.4.2 and 6.3). In
 the EP's opinion, the potential for environmental impact from spills or releases from rail cars
 utilizing these spurs to access coal sheds, stock pens, oil warehouses, et cetera represents a
 REC in connection with the Property.
- Asbestos was detected in building materials in multiple buildings on the Property. In the EP's
 opinion, the deteriorated state of the buildings provide the potential for environmental impact
 associated with deposition of asbestos on Property soils which represents a REC in connection
 with the Property.

• Industrial operations were historically and/or currently present on adjoining sites. Sites included the Norfolk Southern Frankfort Rail Yard and railroad tracks bordering the Property; the Winski Brothers scrap yard and former Wallace Manufacturing; the former Frankfort Brass Company/Indiana Brass Company; the Wabash National Corporation/Exide Corporation/Del Monte facility; and the former bulk fuel storage north of the eastern portion (Sections 5.1, 5.2.1, and 5.4.3). In the EP's opinion, the potential for environmental impact from migration of contaminants onto the Property from adjoining sites represents a REC in connection with the Property.

It is the EP's opinion that a site investigation is needed to evaluate whether environmental contamination is associated with the identified RECs.

In the EP's opinion, the suspect RECs associated with the burned structure within the machine shop portion of the main facility is not a REC in connection with the Property for the following reason: the fire did not appear to impact the main facility, which was confirmed by the fire department in documented description of the fire (Sections 6.4.7 and 7.2).

We identified three data gaps in connection with this Phase I ESA. These include:

- Land title records were not searched for the Property.
- The owner did not provide information about the Property via a completed Owner Questionnaire or verbal interview.
- The Property use prior to 1887 for the eastern portion and 1898 for the roundhouse portion was not known.

We identified two limitations in connection with this Phase I ESA. These include:

- The partial collapse of the main facility building, which limited our ability to observe the entire building; and
- The snow cover present on the exterior and on collapsed portions of the interior of the main facility of the Property.

It is the opinion of the EP that the data gaps and limitations did not impact our ability to identify RECs at the Property. Specifically, the former operations of the Property were gathered from other sources and the Property use was likely residential prior to documented usage, as was standard in Indiana cities.

The User acquiring the Property is the sole party responsible for complying with AAI requirements for Landowner Liability Protection (LLP) under CERCLA as an Innocent Purchaser, Bona Fide Prospective Purchaser, or Contiguous Property Owner, as applicable. The completion of a Phase I ESA, with statement by an Environmental Professional (EP) that it is compliant with AAI and/or the ASTM E 1527-13 Practice, may not be sufficient to provide CERCLA LLP.

SME's Project Team was as follows:

Preparer: Ms. Kelly Kuhn

Environmental Professional (EP): Mr. Christopher G. Shaw, CHMM Senior Technical Reviewer: Mr. Keith B. Egan, Ohio CP#259

2.0 INTRODUCTION

SME's project team conducted a Phase I Environmental Site Assessment (ESA) of the former Norfolk Southern Frankfort Roundhouse property located at State Route 28 and Boomer Street in the city of Frankfort, Clinton County, Indiana, hereinafter referred to as "the Property." The Phase I ESA was conducted according to the ASTM International (ASTM) Practice E 1527-13 (Practice), which is accepted in the U.S. Environmental Protection Agency regulations as satisfying one component of the requirements of All Appropriate Inquiries (AAI) under the Comprehensive Environmental Response, Compensation and Liability Act, as amended (CERCLA).

Satisfying AAI is one component of the requirements for a Prospective Purchaser to qualify for the Bona Fide Prospective Purchaser (BFPP), Contiguous Property Owner, or Innocent Landowner defense to CERCLA liability. For properties known to be contaminated with hazardous substances, the Prospective Purchaser also must comply with the continuing obligations defined in CERCLA to maintain the landowner liability protection (LLP) to CERCLA.

Mr. Shan Sheridan, on behalf of Frankfort Midwest Rail Heritage Trust Inc. (the User), authorized the conduct of this Phase I ESA to identify and evaluate potential environmental concerns associated with the Property prior to purchase. The site received an eligibility determination from the USEPA on April 2, 2013 to use grant funds in support of this assessment.

2.1 PURPOSE

The purpose of this Phase I ESA was to satisfy relevant AAI requirements for qualifying the User of this report for applicable landowner liability protections under CERCLA (42 U.S.C. 9601). One of the primary objectives was to identify recognized environmental conditions (RECs) in connection with the Property and assess the relative significance of the identified REC(s). The Practice defines a REC as:

...the presence or likely presence of any hazardous substances1 or petroleum products in, on, or at a property: (1) due to release to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment. De minimis conditions are not recognized environmental conditions.

2.2 DETAILED SCOPE OF SERVICES

This Phase I ESA was conducted in conformance with the ASTM Standard Practice on Environmental Site Assessments for Commercial Real Estate designation E 1527-13, "Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process." This Phase I ESA does not address the non-scope considerations as defined by Section 13 of the Practice.

2.3 SIGNIFICANT ASSUMPTIONS

Pursuant to the Practice, we assume information provided by all sources and parties, including the User, is accurate and complete, except where obvious inconsistencies or inaccuracies were identified.

¹ For the purposes of this Phase I ESA, a hazardous substance is a substance as defined in the ASTM Practice E 1527-13.

2.4 LIMITATIONS AND EXCEPTIONS

Limitations encountered during the reconnaissance included the inability to access and observe portions of the main facility due to collapse of the ceiling and walls, as well as snow cover present across the exterior of the Property and in certain collapsed areas of the main facility. The impact of these limitations is discussed in Section 8.0. The Practice's scope of assessment was implemented without exceptions.

2.5 SPECIAL TERMS AND CONDITIONS

No special terms and conditions were imposed on us as part of this Phase I ESA.

2.6 RELIANCE

We have prepared this report to be used and relied upon solely and exclusively by the Frankfort Midwest Rail Heritage Trust Inc. (the User) and the Clinton County Economic Development Department in accordance with terms and conditions agreed upon for the project. No other party may rely upon our opinions, conclusions or reports unless we have agreed to such reliance in writing.

3.0 PROPERTY DESCRIPTION

The following subsections contain descriptions of the Property, uses and conditions of the Property, and uses of the adjoining sites at the time of this Phase I ESA. Photographs of the Property and surrounding areas are included in Appendix A.

3.1 PROPERTY LOCATION AND LEGAL DESCRIPTION

The Property is located at State Route 28 and Boomer Street, Frankfort, Clinton County, Indiana (Figure 1). The Property is being divided from a larger parcel and no legal description is available for either the larger parcel or the Property itself. In addition, a tax identification number has not been assigned to the Property.

3.2 PROPERTY AND VICINITY CHARACTERISTICS

At the time of the reconnaissance, the Property consisted of two portions of land: the eastern portion consisted of approximately 0.88 acres and the roundhouse portion covered approximately 6.89 acres. The eastern portion contained no buildings or other structures. The roundhouse portion was developed with five buildings and one shed. The remainder of the Property was developed with gravel-paved access roads to the west, north, and south of the buildings and brush, grass, and trees along the southern part of the roundhouse portion. The Property was in a mixed use commercial/industrial area. A current Property Features Diagram (Figure 2) was developed from the observations, field notes, photographs, and/or historical information collected during conduct of this Phase I ESA.

3.3 CURRENT USE OF THE PROPERTY

Norfolk Southern Railway Company owns the Property. The roundhouse building, machine shop, and carriage house, hereinafter referred to as the "main facility," were constructed of metal, glass, brick, and wood. Pits and/or vaults were observed inside and south of the main facility. The smaller buildings were slab on grade concrete block, metal, or brick buildings. The buildings were vacant and not in use.

3.4 CURRENT USES OF THE ADJOINING SITES

Known current uses of adjoining sites are summarized in the table on the following page. The Property consists of two, non-contiguous portions which will be referred to as the "Eastern" portion and the "Roundhouse" portion.

DIRECTION	NAME ADDRESS	ACTIVITY
	Roundhouse and Eastern Norfolk Southern Railway Company	Railroad tracks
North	Roundhouse Wabash National Corporation 901 West Morrison Street	Semi-trailer manufacturing
	Eastern Vacant	Vacant (former Bulk Oil Storage)
	Roundhouse JFC Holding LLC Monon Street	Pallet manufacturing
East	Frankfort Midwest Rail Heritage Trust Inc. North Monon Street	Vacant land
	Eastern Kramer Brothers Lumber Company Inc. 608 West Washington Street	Lumber yard
	Roundhouse Dollar General 1001 Walnut Avenue	Retail store
	Donald & Carolyn Riegle 810 Clinton Avenue	Storage building
South	The Gary W. & Deanna J. Wehr Revocable Trust	Vacant land
	Clinton Avenue	
	Michael & Christy Douglas 804 Clinton Avenue	Storage building
	Eastern Kramer Brothers Lumber Company Inc. West Clinton Street	Lumber company
W	Roundhouse Norfolk Southern Railway Company Unspecified address	Rail yard activity
West	Eastern Winski Brothers Inc. 751 West Washington Street	Scrap yard

4.0 USER PROVIDED INFORMATION

As part of AAI, the User has the statutory responsibility, above and beyond the Phase I ESA conducted under supervision of an EP, to provide information described in the subsections below. Mr. C. David Little, representative of the User of this Phase I ESA, the Frankfort Midwest Rail Heritage Trust Inc., provided the information through completion of the User Questionnaire attached in Appendix C.

4.1 REASON FOR THE PHASE I ESA

Mr. Little reported that the reason for this Phase I ESA of the Property was to support the User's all appropriate inquiry into environmental conditions of the Property, a component of the User's effort to qualify for one of the landowner liability protections to CERCLA applicable to the planned purchase of the Property.

4.2 RECORDED ENVIRONMENTAL CLEANUP LIENS AND ACTIVITY AND USE LIMITATIONS (AULS)

Mr. Little reported that a review of recorded land title records for the Property was not conducted. This data gap is discussed in Section 8.

4.3 SPECIALIZED KNOWLEDGE AND EXPERIENCE

Mr. Little reported having specialized knowledge of potential environmental concerns or issues associated with the Property, the extent of which is listed as known activity of Norfolk Southern Railway adjacent to the Property. The activity associated with the railway company represents a suspect REC in connection with the Property.

4.4 RELATIONSHIP OF PURCHASE PRICE TO VALUE

Mr. Little reported that the purchase price of the Property reflected fair market value. The Property is being donated with its value based on land appraisals.

4.5 COMMONLY KNOWN OR REASONABLY ASCERTAINABLE INFORMATION

Mr. Little reported that he has not become aware, through conversations, rumor, etc., of any commonly known or reasonably ascertainable information within the local community that would indicate the Property could be contaminated or that any past event could have resulted in environmental impact of the Property or adjoining properties.

4.6 PROCEEDINGS INVOLVING THE PROPERTY

Mr. Little, based on personal knowledge and experience related to the Property, reported no known pending, threatened, or past litigation, administrative proceedings, or violations of environmental laws and regulations related to hazardous substances or petroleum products in, on, or arising from the Property.

5.0 RECORDS REVIEW

5.1 ENVIRONMENTAL RECORD SOURCES

We retained Environmental Data Resources, Inc. (EDR) to query the state, federal, and tribal regulatory agency databases described in the Practice to identify regulated and/or environmentally impacted sites within the specified approximate minimum search distances. EDR also queried other readily available regulatory agency databases. The queried databases, associated search radii, and dates the lists were updated are listed in the EDR report (Appendix D). The EDR report also includes maps indicating the locations of these listed sites relative to the Property. Unmapped sites, as identified by EDR, are sites that for various reasons cannot be mapped through the EDR query system.

EDR searched federal institutional controls/engineering control registries, state and tribal institutional control/engineering control registries, and local land records for information related to possible liens against the Property. No liens were found for the Property as a part of this search.

A summary of listed sites of concern is presented in the table included in this subsection. Where possible, we attempted to locate the reported unmapped sites. Unmapped sites we determined to be within the applicable approximate minimum search distance(s) and to be suspect RECs are also included in the table. Based on distance from the Property and reported groundwater flow direction to the west, the remaining sites do not appear to represent suspect RECs in connection with the Property.

While reviewing regulatory documents in the Indiana Department of Environmental Management's Virtual File Cabinet (IDEM VFC) for the Property, the Norfolk Southern Frankfort Rail Yard was identified as a regulated site under the Voluntary Remediation Program (VRP) and the Leaking Underground Storage Tank Program (LUST). This site was not identified in the EDR report, but is an environmentally impacted site that represents a REC in connection with the Property. It has been included in the table below and discussed in this section.

LISTED SITES OF CONCERN

SITE NAME AND ADDRESS	APPROXIMATE DISTANCE AND DIRECTION FROM PROPERTY ¹	NAME OF LIST ²
Frankfort Roundhouse	Property	FINDS, US Brownfields
Winski Brothers Inc.	30 feet to southwest of eastern portion	SWRCY
Indiana Brass	Adjoins roundhouse portion to the east	CERCLIS, CORRACTS, RCRA NonGen/NLR, RAATS, MANIFEST
Exide Corporation	150 feet to north of roundhouse portion	RCRA NonGen/NLR, FINDS, MANIFEST, TIER 2
Norfolk Southern Frankfort Rail Yard	Adjoins roundhouse portion to the west	VRP, LUST

¹EDR sites are mapped by address. Distances and/or site directions listed above may be adjusted from those reported by EDR to better represent field conditions and potential site boundaries.

In addition to the EDR report, we reviewed relevant documents provided by the IDEM VFC and the EPA EnviroFacts website for the sites. A summary of our findings is presented in the following paragraphs.

²Definitions of acronyms and lists are presented in the EDR report.

FRANKFORT ROUNDHOUSE

Per the IDEM VFC, the Property had LUST incidents reported in the southwest and northwest corners of the roundhouse portion, as well as in the western part of the eastern portion. On the roundhouse portion, a gasoline underground storage tank (UST) was removed in the southwest corner and visibly stained soil excavated in 1990. Further investigation was conducted, but no closure documentation was available. For the LUST in the northwest corner of the roundhouse portion, no records were available.

The three fuel oil and/or gasoline USTs on the eastern portion were removed, with the surrounding soils over excavated in 1995. The closure documentation indicated that the USTs were taken out of service in the mid-1980s and a leak was detected approximately 10 years later. The report also indicated that four other USTs had been removed from the area, but that no details were known.

The reported LUST incidents represent a suspect REC in connection with the Property.

WINSKI BROTHERS INC.

Neither the IDEM VFC nor the USEPA Envirofacts website contained documentation regarding Winski Brothers Inc. facility, which is a scrap yard. The EDR report indicated that the business is a solid waste recycling facility that processes materials and accepts aluminum and steel cans, appliances, batteries, industrial materials, and construction related products. The potential for environmental impact from unreported and/or undetected migration of contaminants onto the Property from the Winski Brothers site represents a suspect REC in connection with the Property.

INDIANA BRASS

The former brass manufacturer and foundry facility is reported to have contained foundry sand, corrosive chemicals, numerous vaults and pits with one oil filled vault, and impacted soil and groundwater. The USEPA completed an emergency removal in December 2010 after the business closed. However, there was no documentation regarding closure status of the site in the files reviewed. The potential for environmental impact from unreported and/or undetected migration of contaminants onto the Property from the Indiana Brass site represents a suspect REC in connection with the Property.

EXIDE CORPORATION

The property to the north of the roundhouse portion was a canning and processing plant dating back to the early 1900s. Prior to ownership by Exide Corporation, the property was owned by Del Monte. During Del Monte's operation, one, 15,000-gallon diesel UST was closed-in-place on the south side of the facility in 1986. However, no closure sampling documentation was present in the VFC. Exide Corporation occupied the plant from 1988 until circa 2008. The IDEM VFC contained a 1994 inspection report that indicated batteries were serviced at the facility. The inspection was conducted in response to an anonymous report that acid was spilled onto the floor in the "Re-Boost" department. The IDEM inspector observed no spills or drains in the area. No additional information was present in the files. The potential for environmental impact from unreported and/or undetected migration of contaminants onto the Property from the Exide Corporation site represents a suspect REC in connection with the Property.

NORFOLK SOUTHERN FRANKFORT RAIL YARD

The fueling storage and locomotive fueling yard has been in the VRP since 2002. Releases of fuel have been investigated and are being remediated, including free product in site wells. Various LUST incidences were documented across the site, but many did not have enough supporting documentation to determine if they were closed by the IDEM program or if they remain active concerns. The VRP site has

not received closure. The potential for environmental impact from unreported and/or undetected migration of contaminants onto the Property from the Norfolk Southern Frankfort Rail Yard site represents a suspect REC in connection with the Property.

5.2 ADDITIONAL ENVIRONMENTAL RECORD SOURCES

5.2.1 COUNTY ENVIRONMENTAL HEALTH DEPARTMENT

On January 8, 2015, January 22, 2015, and February 25, 2015 we contacted the Clinton County Environmental Health Department via telephone and requested all available information pertaining to environmental concerns associated with the Property and surrounding area, including information on septic systems and water wells, if any, located on the Property. Mr. Rodney Wann, Environmental Health Specialist, responded on March 16, 2015 via e-mail. He provided documentation related to a fuel oil release on the adjacent Norfolk Southern Frankfort Rail Yard. No documents pertaining to the Property were provided.

5.2.2 FIRE DEPARTMENT

On January 8, 2015, we contacted the Frankfort Fire Department via telephone and requested all available records associated with the Property and surrounding properties. Fire Inspector Jeff Wellman indicated no records were available.

5.2.3 IDNR DIVISION OF OIL AND GAS

We queried the Indiana Department of Natural Resources – Oil and Gas Well Records Information System – Online Interactive Map for oil and gas permits/wells for the Property's township, range and section number. According to the January 9, 2015, query results, no known oil and/or gas well permits were recorded for the Property section number.

5.2.4 OTHER RECORD SOURCES

A Phase I ESA was conducted for the Property by Weston Solutions, Inc. (Weston) in May 2012; the Phase I ESA report is included in Appendix B. The Phase I ESA report identified the roundhouse, turntable, six additional buildings, a parking lot, and a vacant triangular lot, all adjoining the rail yard and other industrial or commercial businesses. The following RECs were identified as part of Weston's Phase I ESA:

- ➤ Historic petroleum storage and loading operations. Six LUSTs containing gasoline, diesel, and used oil were confirmed on the Property. AST secondary containments and foundations were observed in three locations during the reconnaissance of which no record of registration or removal was located. An oil warehouse was shown in two locations on historical Sanborn® Fire Insurance Maps.
- The possibility of leaks of PCB-containing oils from former transformers.
- > Potential for historical contaminant releases from a former on-site water treatment plant.
- Suspect asbestos-containing material (ACM) was visible at numerous locations during the reconnaissance.
- Peeling paint was evident in the on-site buildings. Based on the age of the buildings, suspect lead-based paint was present.

A Phase II ESA was conducted in January 2013 to investigate identified RECs; the Phase II ESA report is included in Appendix B. Soil and groundwater samples were collected across the Property to document the presence of contamination. Suspect ACMs also were sampled in site buildings.

Forty investigative soil samples were collected from fourteen soil sampling locations. Each was analyzed for volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), and metals. Selected samples also were analyzed for polychlorinated biphenyls (PCBs) and/or total petroleum hydrocarbons (TPH). An x-ray fluorescence (XRF) survey of surface soil was conducted at the Property to determine areas where metals (specifically arsenic and lead) were of concern.

Six monitoring wells were installed and collected samples were analyzed for VOCs, SVOCs, metals, and PCBs. Sample results indicated the presence of one SVOC (bis[2-ethylhexyl]phthalate) and three metals (arsenic, iron, and manganese) at concentrations above the IDEM residential tap water screening levels.

Soil sample results indicated that six PAHs (benzo(a)pyrene, benzo(a)anthracene, benzo(b)fluoranthene, benzo(k)fluoranthene, dibenzo(a,h)anthracene, and inden(1,2,3-cd)pyrene) and seven metals (antimony, arsenic, iron, lead, manganese, mercury, and thallium) were measured at concentrations above the IDEM residential direct contact screen levels.

The reported soil and groundwater contamination represents a REC in connection with the Property.

Asbestos was detected in samples from certain buildings across the site, including the yard office building, outbuilding number 3, and the roundhouse building. The presence of ACM in the buildings does not represent a suspect REC; however, the potential for environmental impact associated with deposition of asbestos on Property soils represents a suspect REC in connection with the Property.

No other record sources were accessed as part of this Phase I ESA.

5.3 PHYSICAL SETTING SOURCE(S)

5.3.1 USGS - CURRENT 7.5 MINUTE TOPOGRAPHIC MAP

We reviewed a United States Geological Survey (USGS) 7.5 minute series Topographic Map Frankfort Quadrangle, Indiana, compiled in 1991. The Property was relatively flat at an elevation of approximately 860 feet above mean sea level (MSL). It was in an urban area with the roundhouse building and several unidentified buildings. A rail yard was located to the west. Multiple railroad tracks were depicted running north-south and east-west and converged near the Property. State Road 75 ran north-south and was shown east of the Property. State Road 28 was shown to the south and southeast of the Property. It entered Frankfort from the south and ran to the west. U.S. Highway 421 was depicted running generally east-west through Frankfort. Three unnamed small ponds were located approximately 0.5 miles southwest of the Property and Prairie Creek was located 0.6 miles east of the Property. No other bodies of water were depicted within a one-mile radius.

5.3.2 OTHER NON-PRACTICE PHYSICAL SETTING SOURCES

Based on soil borings completed by Weston in January 2013, the general soil profile is sandy silt to 2.5 feet below ground surface (bgs), underlain by clay/silty clay/sandy clay to a depth of 24 feet bgs. Sandy silt is interbedded in the clay layer at approximately 7 feet to 9 feet bgs. Sand was present within the clay layer from approximately 15 feet to 19 feet bgs. According to the Phase II ESA report, groundwater is first encountered at 10.5 feet bgs in the southwest part of the roundhouse portion of the Property, and is shallower moving east across the Property, up to 6 feet bgs. Groundwater reportedly flows generally west across the Property.

5.4 HISTORICAL USE INFORMATION FOR THE PROPERTY

We consulted historical record sources described in the following subsections to develop a history of the Property's previous uses to help identify the likelihood of past uses having led to RECs in connection with the Property. The information reviewed was from reasonably ascertainable standard sources, defined in

the Practice as publicly available, obtainable from its source within reasonable time and cost constraints, and practicably reviewable.

Data failures encountered, as defined by the Practice, are described in the following discussions of the respective historical sources. The Practice requires review of only as many of the standard historical sources as are reasonably ascertainable and likely to be useful.

5.4.1 STANDARD HISTORICAL SOURCES

The sources reviewed for this Phase I ESA are summarized below. Copies of source documents are included in Appendix B. A summary of findings from these reviews is presented in section 5.4.2.

- Aerial Photographs: We reviewed aerial photographs, obtained from EDR, dated 1952, 1969, 1977, 1987, 1992, 1998, 2005, 2006, 2007, 2008, 2010, and 2012.
- Fire Insurance Maps: We reviewed Sanborn® Fire Insurance Maps (Sanborn® Maps) of the Property area, obtained from EDR, dated 1887, 1892, 1898, 1906, 1912, 1927, 1946, and 1961.
- Property Tax Files: We visited the Clinton County Assessor's website and searched for all available records pertaining to the Property. No records were available for review.
- Recorded Land Title Records: We did not review land title records because information regarding
 the history of the Property was obtained from other historical sources identified herein. In
 addition, land title records typically provide information regarding ownership, but not use, of a
 property.
- USGS Topographic Maps: We reviewed the USGS 7.5 minute series Topographic Map Frankfort Quadrangle, Indiana, compiled in 1961, 1980, and 1991.
- Local Street Directories: We reviewed EDR's City Directory Image Report, which included listings for 1937, 1959, 1963, 1967, 1972, 1977, 1982, 1987, 1992, 1995, 1999, and 2013.
- Building Department Records: We contacted the Frankfort Building Department via telephone on January 8, 2015, and requested all available records pertaining to the Property. No records were provided for review.
- Zoning/Land Use Records: We consulted Ms. Kat Bell with the Frankfort Building Department.
 According to Ms. Bell, the Property was zoned Industrial 1 (I1).
- Other Historical Sources: We did not review other historical sources because sufficient information regarding the Property's history was obtained from the aforementioned historical sources.

5.4.2 HISTORICAL USE SUMMARY

A summary of historical usage of the Property, back to 1887 for the eastern portion and 1898 for the roundhouse portion, the date of earliest readily available records as described above, is presented in the following table:

HISTORICAL USE SUMMARY

YEAR/PERIOD	IDENTIFIED / INFERRED USE	SOURCE (Date)	
Loctors	The costern portion contained and dwelling		
Eastern The eastern portion contained one dwelling.		Sanborn® Maps (1887 & 1892)	
Roundhouse 1887 – 1892	1887 – 1892		
Eastern 1898	The eastern portion contained stock pens and railroad spurs and scales along the northern and western parts.		
Roundhouse 1898	The roundhouse portion contained a partially constructed roundhouse, the turn table, part of an office building, a sand house, a machine shop, a blacksmith, a boiler shop, a paint shop, a carpenter shop, an upholstering room, a tin shop, a planing mill/wood working machinery, a pattern shop, a brass foundry, supply building, a coke house, a tool room, and multiple wells, fire pumps, and/or water tanks and portions of the following buildings: store room, office, and erecting shop. Multiple rail lines were present.	Sanborn® Maps (1898)	
Eastern 1906 – 1912	The eastern portion contained stock pens/stock yard, coal sheds, and rail spurs in the north and in the southwest parts in addition to a remaining scale located near the southwestern boundary.	Sanborn® Maps (1906 and 1912)	
Roundhouse 1906 – 1912	The roundhouse portion was mainly unmapped. A railroad office was present in the northeastern part. EDR reported that Sanborn® Maps were not available during this time frame.		
Eastern 1927	The eastern portion contained a freight house and two rail spurs.		
Roundhouse 1927	The roundhouse portion contained a completed roundhouse and turntable, two machine shops, a coach shop, a paint shop, a blacksmith, two offices and a portion of a third, an oil house, a tool house, and a transformer building. Multiple rail lines were present.	Sanborn® Maps (1927)	
Roundhouse 1946 – 1961	The roundhouse portion contained a complete roundhouse and turn table, two machine shops, a blacksmith, a paint shop, a coach shop, two offices and a portion of a third, a portion of a store house, and oil	Sanborn® Maps (1946	
	house, a storage building, a transformer building, a boiler house, an independent electric plant (IEP), an ash hopper, a water treatment plant, four water tanks with a pump house, a gasoline tank, and an acetylene plant. Multiple rail lines were present on the Property. In 1961, an additional pair of fuel oil tanks was located north of the roundhouse.	and 1961) Aerial Photograph (1952) Topographic Map (1961)	
Eastern 1946 – 1992	The eastern portion contained an oil warehouse with four or five above ground gasoline tanks with pump and two to three rail spurs.	Sanborn® Maps (1946 and 1961) Aerial Photographs (1952 – 1992) Topographic Maps (1961, 1980, & 1991)	

YEAR/PERIOD	IDENTIFIED / INFERRED USE	SOURCE (Date)
Roundhouse 1969	The roundhouse portion seemed to house the same buildings as it did in the 1946-1961 timeframe, with the significant change that the eastern part of the roundhouse had been demolished. Multiple rail lines were present.	Aerial Photographs (1969)\
Eastern 1998 – 2012	The eastern portion was vacant with soil or grass cover. The portion appeared to be a storage area for large containers in 2006.	Aerial Photographs (2005 – 2012)
Roundhouse 1977 – 2012	The roundhouse portion contained the site features that are currently present, including the main facility and smaller outbuildings. The industry that was present in previous years (electric plant, water treatment plant, acetylene plant) appeared to be gone. Note: The topographic maps from 1980 and 1991 depict the full roundhouse, but aerial photographs from the same time periods contradict this.	Aerial Photographs (1977 – 2012) Topographic Maps (1980 and 1991)

An undated figure of the Property was provided by the User, which depicted features on the roundhouse portion that were not present on other historical sources provided by EDR. These included multiple 55- or 275-gallon fuel oil tanks, transformers in the southwestern corner, and two sludge basins. The figure is provided as Figure 3. The features depicted were associated with the historical operation of the roundhouse as a repair and maintenance facility for locomotives.

We were unable to determine the Property's use prior to 1887 for the eastern portion and 1898 for the roundhouse portion. This data gap is discussed in Section 8.

The potential for environmental impact associated with historical operations represents a suspect REC in connection with the Property.

5.4.3 HISTORICAL USE INFORMATION ABOUT PROXIMATE SITES

An attempt was made to assess the historical uses of proximate sites by reviewing records referenced in Section 5.4. A summary of proximate sites of concern (suspect RECs), as identified only to the extent that this information was revealed in the course of researching the Property itself, is presented in the table below:

YEAR/PERIOD	IDENTIFIED / INFERRED USE	SOURCE (Date)
1887 – 2012	Multiple railroad tracks and rail yard (tracks bordered the Property to the north and east, with the rail yard adjoined to the west)	Sanborn® Maps (1887 – 1961) Topographic Maps (1961 – 1991) Aerial Photographs (1952 – 2012)
1887 – 1927	Wallace Manufacturing Company – machine manufacturer with associated foundry and machine shop (across West Washington Street to the southwest of the eastern portion)	Sanborn® Maps (1887 – 1927)
1906 – 2010	Frankfort Brass Company/Indiana Brass Company – brass manufacturer (adjoined to the east of the roundhouse portion)	Sanborn® Maps (1906 – 1961) Topographic Maps (1961 – 1991) Aerial Photographs (1952 – 2010)
1946 – 1961	Bulk fuel storage (across the railroad tracks to the north of the eastern portion)	Sanborn® Fire Insurance Maps (1946 & 1961)
1946 – 2012	Winski Brothers Junk Yard (across West Washington Street to the southwest of the eastern portion)	Sanborn® Maps (1946 & 1961) Topographic Maps (1961 – 1991) Aerial Photographs (1952 – 2012)
1959-1972	Williams Auto Repair Shop/Kellar Auto Repair Shop (adjoined to the south of the roundhouse portion)	City Directories (1959- 1972)

6.0 SITE RECONNAISSANCE

A site reconnaissance was conducted to identify evidence indicative of suspect RECs in connection with the Property. Descriptions of the current Property use and conditions, including the use, storage, and/or treatment of hazardous substances and/or petroleum products and the generation, storage/accumulation, and/or disposal of chemical, petroleum or other contaminated wastes are presented in the following sections.

6.1 METHODOLOGY AND LIMITATIONS

On January 30, 2015, Ms. Kelly Kuhn, under the guidance of Mr. Christopher G. Shaw, CHMM, the EP, conducted a reconnaissance of portions of the Property exterior to the buildings to observe conditions and features. Ms. Kuhn returned on February 5, 2015, and conducted a reconnaissance of interior conditions and features of the main facility; she was accompanied by Mr. David Little of the Frankfort Midwest Rail Heritage Trust Inc. and Mr. Shan Sheridan of the Clinton County Economic Development Department. The exterior portion of the Property was observed by walking in a clockwise direction beginning in the northwest corner. Outbuildings were observed during this reconnaissance. For the interior of the main facility, access was through the southeast door of the machine shop portion. The machine shop, followed by the carriage house, and then the roundhouse were observed. Photographs taken during the reconnaissance, which illustrate observed conditions and surrounding areas, are contained in Appendix A. Limitations encountered during the reconnaissance included the inability to access and observe portions of the main facility due to collapse of the ceiling and walls, as well as snow cover present across the exterior of the Property and in certain collapsed areas of the main facility. The limitations are discussed in Section 8.

6.2 GENERAL PROPERTY SETTING

The Property was comprised of two separate portions, the roundhouse portion and the eastern portion. The northern part of the roundhouse portion contained the main facility and smaller buildings, with the southern part containing brush, grass, and trees. The eastern portion was vacant and covered by exposed soil or gravel or by grass. Both portions were relatively flat. Railroad tracks border the northern extent of each portion; a railroad track also bordered the eastern side of the eastern portion. Surrounding site use was commercial/industrial. West Washington Street bordered the western side of the eastern portion. Boomer Street ran through the roundhouse portion between the office building and the main facility.

6.3 EXTERIOR OBSERVATIONS

The exterior features of the roundhouse portion included unpaved service roads bordering the main facility to the west, north, east, and south. Concrete floor slabs and foundations from former buildings were present along the southwestern extent of the main facility, the eastern demolished part of the roundhouse, and within the grassy area in the southern area of the portion. Dense brush and/or small trees were present in areas of former concrete foundations, former access roads, and surrounding the main facility. Rail spurs ran into the main facility and along the southwestern extent of the main facility where maintenance buildings once stood. The roundhouse turntable was located in the center of the roundhouse bays. Stained concrete was observed in the area of the demolished roundhouse bays. The potential for environmental impact associated with the historical use of the Property for the maintenance and repair of locomotives and coaches represents a suspect REC in connection with the Property. No other suspect RECs for the roundhouse portion were identified unless indicated in the following subsections.

The exterior features of the eastern portion included flat ground, part of which was used as parking by the southwest-adjoining Winski Brothers Inc. A large snow pile was present in the eastern part of the portion. Railroad ties were piled in the northern part of the portion. Historical rail spurs appeared to be intact on the site, although partially buried in soil. The rail spurs are suspect RECs due to the potential for environmental impact from historical spills or releases. No other suspect RECs for the eastern portion were identified unless indicated in the following subsections.

6.3.1 CHEMICAL USE AND STORAGE

In both the roundhouse portion and the eastern portion, Ms. Kuhn observed no use and/or storage of chemicals.

6.3.2 USTS/ASTS

Ms. Kuhn observed evidence of former ASTs on the roundhouse portion. A saddle for a former AST was located to the east of the standing part of the roundhouse. A saddle for a former AST also was located south of the transformer house building. A pressure tank, presumed to be associated with a former air compressor, was located to the west of the main facility. The potential for environmental impact associated with the former ASTs represents a suspect REC in connection with the Property.

Ms. Kuhn observed no evidence of USTs or ASTs on the eastern portion.

6.3.3 PCB CONTAINING EQUIPMENT

Ms. Kuhn observed no evidence of equipment containing polychlorinated biphenyl (PCB) on either portion.

6.3.4 PITS, PONDS, AND LAGOONS

Pits were observed north, east, and south of the main facility on the roundhouse portion. The pits in the north and east were covered with steel lids. The pits south of the main facility generally were covered with piles of railroad ties. Steel-covered pits also were visible in the grassy tree area in the southern part of the portion. The potential for environmental impact associated with the historical use of the pits represents a suspect REC in connection with the Property.

Ms. Kuhn observed no visual evidence of pits, ponds, or lagoons on the eastern portion.

6.3.5 WASTE GENERATION, TREATMENT, STORAGE, AND DISPOSAL

Ms. Kuhn observed storage of 33 roll-off containers on the roundhouse portion. The roll-off containers were stacked on top of each other. She observed no visible evidence of leaking or staining on the roll-off containers, nor on the ground around them. Ms. Kuhn observed no other visual evidence of the generation, treatment, storage, or disposal of liquid or solid wastes.

Ms. Kuhn observed a Winski Brothers-labeled roll-off dumpster on the eastern portion; no visible evidence of leaking or staining on the roll-off containers, nor on the ground around them was noted.

6.3.6 OTHER EXTERIOR FEATURES

Ms. Kuhn observed monitoring wells installed in the southwestern part of the roundhouse portion. Stained concrete in the location of the demolished roundhouse was observed. The potential for environmental impact associated with the monitoring wells and stained concrete represents a suspect REC in connection with the Property.

Brick, large concrete blocks, metal pipe, railroad signage, and other general debris were present within the grassy area south of the main facility; no visible evidence of staining or leaking was noted.

6.4 INTERIOR OBSERVATIONS

In addition to the main facility, four other buildings were present on the roundhouse portion. These included a metal shed, the office building west of the main facility, the transformer house, and locker room building located south of the main facility. The metal shed contained an empty 55-gallon drum, a 5-gallon jug of irritant and sorbent booms. The office building contained remnants of office furniture from its former operation. The transformer house south of the main facility contained an office area in the eastern portion of the structure and remnants of electrical panels in the western part. The locker room building south of the main facility contained approximately 23 one-gallon and smaller sized paint cans and varnish. The main facility contained distinct areas related to the former coach shop, the machine shop, and the roundhouse. The coach shop roof was mostly collapsed. The main facility was mostly empty and had several holes in the roof allowing water/snow inside. A significant portion of the roof and southern wall of the roundhouse building was collapsed. Areas that were not collapsed and able to be observed were mostly empty.

No buildings were present on the eastern portion.

6.4.1 CHEMICAL USE AND STORAGE

Ms. Kuhn observed no use and/or storage of chemicals other than the aforementioned small quantity storage within the metal shed and within the locker room building located south of the main facility. These chemicals include irritant, paint, and varnish. No containers appeared to be leaking. The observed chemical storage is considered a de minimis condition in connection with the Property.

6.4.2 USTS/ASTS

Ms. Kuhn observed no evidence of USTs or ASTs.

6.4.3 PCB CONTAINING EQUIPMENT

Ms. Kuhn observed no visual evidence of PCB-containing equipment. One dismantled transformer was present in the main facility, but contained a tag indicating that PCB-containing oil was not present.

6.4.4 DRAINS AND SUMPS

Ms. Kuhn observed no visual evidence of drains or sumps.

6.4.5 WASTE GENERATION, TREATMENT, STORAGE, AND DISPOSAL

Ms. Kuhn observed no visual evidence of the generation, treatment, storage, or disposal of liquid or solid wastes.

6.4.6 HEATING/COOLING

The buildings at the Property were not heated or cooled. Heaters that were no longer functioning were observed in the roundhouse portion of the main facility. The fuel source of theses heaters was not apparent. A natural gas fired boiler was located in the office building.

6.4.7 OTHER INTERIOR FEATURES

Ms. Kuhn observed pits related to locomotive maintenance located throughout the machine shop and roundhouse portions of the main facility. Oil-soaked wood flooring was present within the machine shop portion of the main facility. The potential for environmental impact associated with the oil-soaked wooden block floor in the machine shop represents a suspect REC in connection with the Property.

A burned interior modular office structure was present within the machine shop portion of the main facility. The fire did not appear to have impacted the floor or walls of the machine shop. The potential for environmental impact associated with the burned structure represents a suspect REC in connection with the Property.

No other visual evidence of other features indicative of suspect RECs were observed in the buildings.

6.5 ADJOINING SITES OBSERVATIONS

Ms. Kuhn walked along right-of-ways or drove around surrounding sites to observe use. Properties in proximity to the Property that are considered suspect RECs are the Winski Brothers Inc. salvage yard and the Wabash National Corporation.

The Winski Brothers site was located to the southwest of the eastern portion. It was a scrap yard that appeared to process significant volumes of scrap and salvage material that was stockpiled on the ground surface.

The Wabash National Corporation, a manufacturer of semi-trailers, was located north of the roundhouse portion, across the railroad tracks.

Ms. Kuhn observed no visible evidence of suspect RECs (e.g., UST systems, ASTs, chemical storage areas) on other adjoining sites.

7.0 INTERVIEWS

As part of the conduct of this Phase I ESA, Ms. Kuhn attempted to provide an Owner Questionnaire to Norfolk Southern Railway Company. This survey was not returned and no contact was able to be made with representatives. This inability to interview the owner of the Property is a data gap. The impact of this data gap is discussed in Section 8.

7.1 INTERVIEWS WITH OWNER/SITE MANAGER/OCCUPANT

We provided a copy of the Owner/Occupant Questionnaire to Norfolk Southern Railway Company via Mr. Dave Little. As of the date of this report, we have not received the completed questionnaire and no contact has been made with owner representatives.

7.2 INTERVIEWS WITH LOCAL GOVERNMENT OFFICIALS

We spoke with Mr. Jeff Wellman, Fire Inspector for the Frankfort Fire Department, via telephone and asked whether he had any environmental concerns associated with the Property and surrounding area. Mr. Wellman indicated that a fire run was documented to the Property, but that it related to a fire started by squatters in the building for warmth. It was a minor fire and extinguished easily. Mr. Wellman noted that this fire was not associated with potential environmental concerns for the Property and that he was not aware of environmentally related incidents having occurred on the Property.

7.3 INTERVIEWS WITH OTHERS

No other interviews were performed as part of this Phase I ESA.

8.0 FINDINGS, OPINIONS, AND CONCLUSIONS

We have performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E 1527-13 of the Frankfort Roundhouse located at State Route 28 and Boomer Street in the city of Frankfort, Clinton County, Indiana, hereinafter referred to as "the Property." Any exceptions to, or deletions from, this practice are described in Section 2.4 of this report. This assessment has revealed no evidence of recognized environmental conditions in connection with the Property except for the following:

- The Property was historically used for locomotive repair and maintenance operations (Sections 5.1, 5.2.4, 5.4.2, 6.3, 6.3.2, 6.3.4, 6.3.6, 6.4, and 6.4.7). A paint shop, machine shops, a transformer house, sludge basins, a water treatment plant, and an electric plant were used in the operations. In the EP's opinion, the potential for environmental impact from unreported and/or undetected release of hazardous substances associated with historical locomotive repair and maintenance operations represents a REC in connection with the Property.
- The Property had LUST incidents reported in the southwest and northwest corners of the roundhouse portion, as well as in the western part of the eastern portion (Sections 5.1, 5.2.4, and 5.4.2). On the roundhouse portion, a gasoline underground storage tank (UST) was removed from the southwest corner and visibly stained soil excavated in 1990. Further investigation was conducted, but no closure documentation was available. The three fuel oil and/or gasoline USTs on the eastern portion were removed, with the surrounding soils over excavated in 1995. The closure documentation indicated that the USTs were taken out of service in the mid-1980s and a leak was detected approximately 10 years later. The report also indicated that four other USTs had been removed from the area, but that no details were known. In the EP's opinion, the potential for environmental impact associated with the LUST incidents represents a REC in connection with the Property.
- Rail spurs were documented on the eastern portion beginning in 1898 (Sections 5.4.2 and 6.3). In
 the EP's opinion, the potential for environmental impact from spills or releases from rail cars
 utilizing these spurs to access coal sheds, stock pens, oil warehouses, et cetera represents a
 REC in connection with the Property.
- Asbestos was detected in building materials in multiple buildings on the Property. In the EP's
 opinion, the deteriorated state of the buildings provide the potential for environmental impact
 associated with deposition of asbestos on Property soils which represents a REC in connection
 with the Property.
- Industrial operations were historically and/or currently present on adjoining sites. Sites included the Norfolk Southern Frankfort Rail Yard and railroad tracks bordering the Property; the Winski Brothers scrap yard and former Wallace Manufacturing; the former Frankfort Brass Company/Indiana Brass Company; the Wabash National Corporation/Exide Corporation/Del Monte facility; and the former bulk fuel storage north of the eastern portion (Sections 5.1, 5.2.1, and 5.4.3). In the EP's opinion, the potential for environmental impact from migration of contaminants onto the Property from adjoining sites represents a REC in connection with the Property.

It is the EP's opinion that a site investigation is needed to evaluate whether environmental contamination is associated with the identified RECs.

In the EP's opinion, the suspect RECs associated with the burned structure within the machine shop portion of the main facility is not a REC in connection with the Property for the following reason: the fire did not appear to impact the main facility, which was confirmed by the fire department in documented description of the fire (Sections 6.4.7 and 7.2).

We identified three data gaps in connection with this Phase I ESA. These include:

- Land title records were not searched for the Property.
- The owner did not provide information about the Property via a completed Owner Questionnaire
 or verbal interview.
- The Property use prior to 1887 for the eastern portion and 1898 for the roundhouse portion was not known.

We identified two limitations in connection with this Phase I ESA. These include:

- The partial collapse of the main facility building, which limited our ability to observe the entire building; and
- The snow cover present on the exterior and on collapsed portions of the interior of the main facility of the Property.

It is the opinion of the EP that the data gaps and limitations did not impact our ability to identify RECs at the Property. Specifically, the former operations of the Property were gathered from other sources and the Property use was likely residential prior to documented usage, as was standard in Indiana cities.

9.0 DEVIATIONS

No deviations occurred as part of this Phase I ESA.

10.0 ADDITIONAL SERVICES

No additional services were provided in conjunction with this Phase I ESA.

11.0 REFERENCES

ASTM International, Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process, November 1, 2013.

12.0 GENERAL COMMENTS

SME's project team conducted this Phase I ESA to identify RECs in connection with the Property and to assess the relative significance of the identified RECs. The findings, opinions, conclusions, and recommendations presented in this report are based upon observations noted during the site visit, and information obtained during the performance of the scope of services on the dates indicated. In the process of obtaining the field and historical information in preparation of this report, procedures were followed that represent reasonable and accepted environmental practices and principles, in a manner consistent with that level of care and skill ordinarily exercised by members of these professions currently practicing under similar conditions. Records reviewed at various locations as identified within the text of this report, include only those records that were provided to SME by the referenced department on the date indicated. As such, the records provided to SME may not represent all records available at a given source. Appropriate inquiry was made into the past uses of the Property consistent with good commercial or customary practice. As is typical with Phase I ESAs, SME conducted no testing or subsurface evaluation for this assessment.

Due to unknown or latent conditions on the Property, or on adjacent or nearby properties, which may become evident in the future, SME does not represent the Property is free of contamination or hazardous waste material. It should also be noted the Property conditions may change over time. Should additional surface, subsurface, chemical, or other data become available after the date of issue of this report, the findings, conclusions and recommendations contained in this report may have to be modified. SME should be retained to review the new information and adjust our opinion and recommendations accordingly.

All reports, field data, field notes, laboratory test data, calculations, estimates and other documents prepared by SME as instruments of service are the property of SME. No parties other than those specifically identified in this report may rely upon SME's opinions, conclusions or reports unless SME has agreed to such reliance in writing. In any event, any reliance will be subject to the terms and conditions set forth in the contractual agreement under which this work was performed.

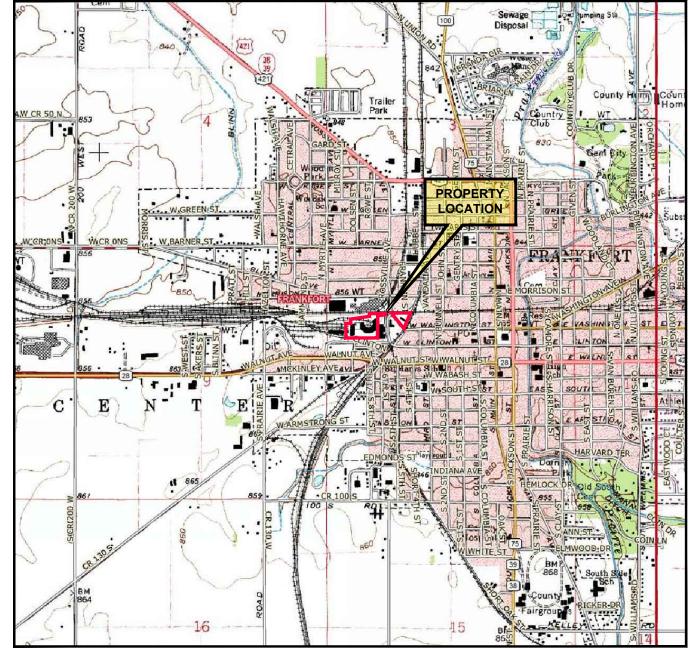
SIGNATURE(S) OF ENVIRONMENTAL PROFESSIONAL(S)

The Environmental Professional responsible for the conduct of this Phase I ESA was Mr. Christopher G. Shaw, CHMM. The site reconnaissance and interviews were performed by Ms. Kelly Kuhn. The report was reviewed by Mr. Keith B. Egan, Ohio CP#259. Resumes of Mr. Shaw, Ms. Kuhn, and Mr. Egan are attached in Appendix E.

I declare that, to the best of my professional knowledge and belief, I meet the definition of Environmental Professional as defined in §312.10 of 40 CFR 312. I have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. I have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

Mr. Christopher G. Shaw, CHMM Senior Project Consultant

FIGURES



Base map obtained from [©]DeLorme Topo North America [™] 10.



USGS QUADRANGLE(s) REFERENCED FRANKFORT (IN) 1991

No.	Revision Date	Date	3-30-2015
		Drawn By	JAB
		Designed By	KK
		Scale	1" = 2000'
\bigcup		Project 066340.00.04A.012	

USGS 7.5 MINUTE TOPOGRAPHIC MAP FRANKFORT ROUNDHOUSE FRANKFORT, INDIANA



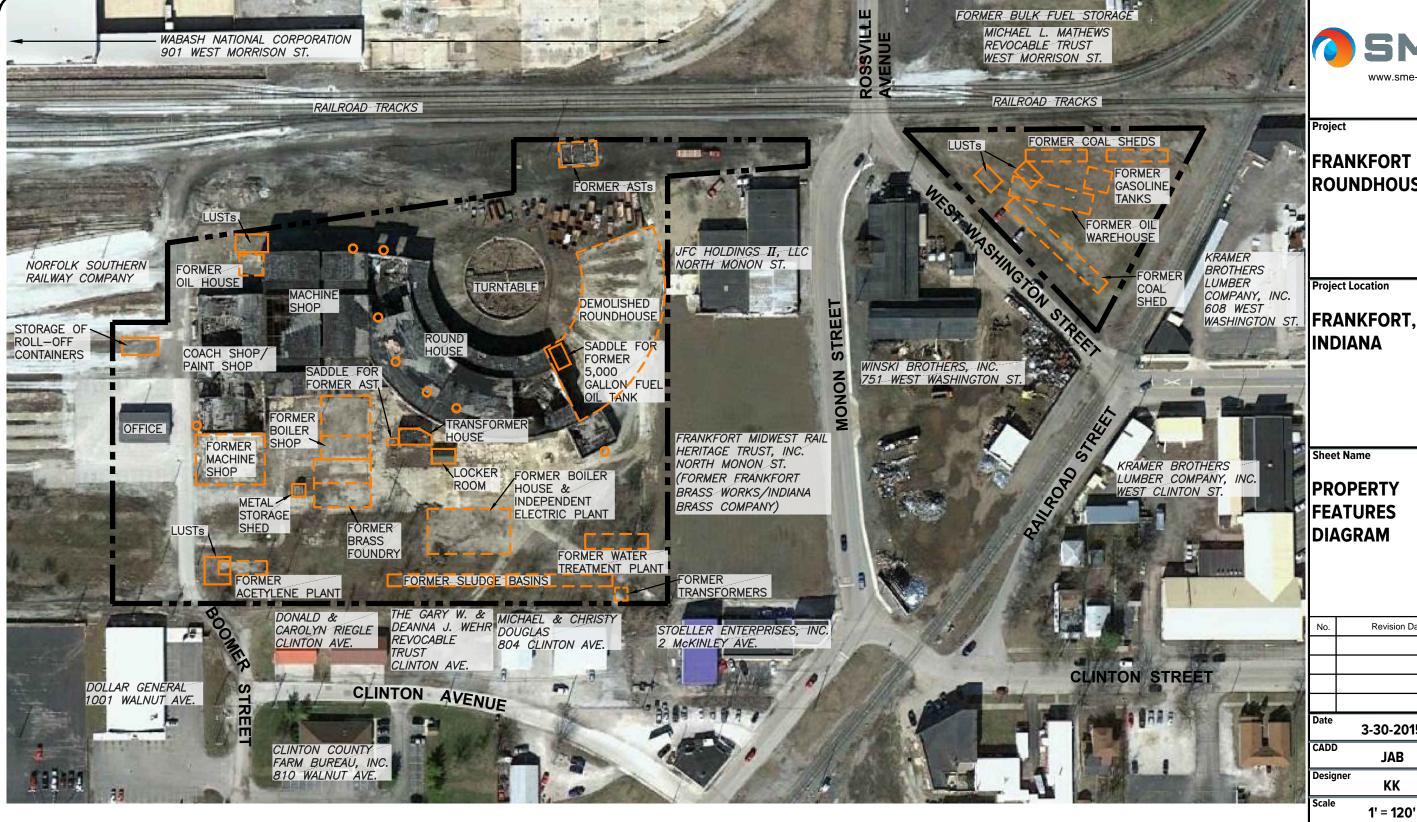






BASE INFORMATION TAKEN FROM GOOGLE

EARTH WITH AN IMAGE DATE OF 2-27-2012.





Project

FRANKFORT **ROUNDHOUSE**

Project Location

INDIANA

Sheet Name

PROPERTY FEATURES DIAGRAM

Revision Date

JAB

KK

3-30-2015 CADD

Designer

1' = 120'

Project 066340.00.04A.012

Figure No.

2

RAWING NOTE: SCALE DEPICTED IS MEANT FOR 11" X 17"

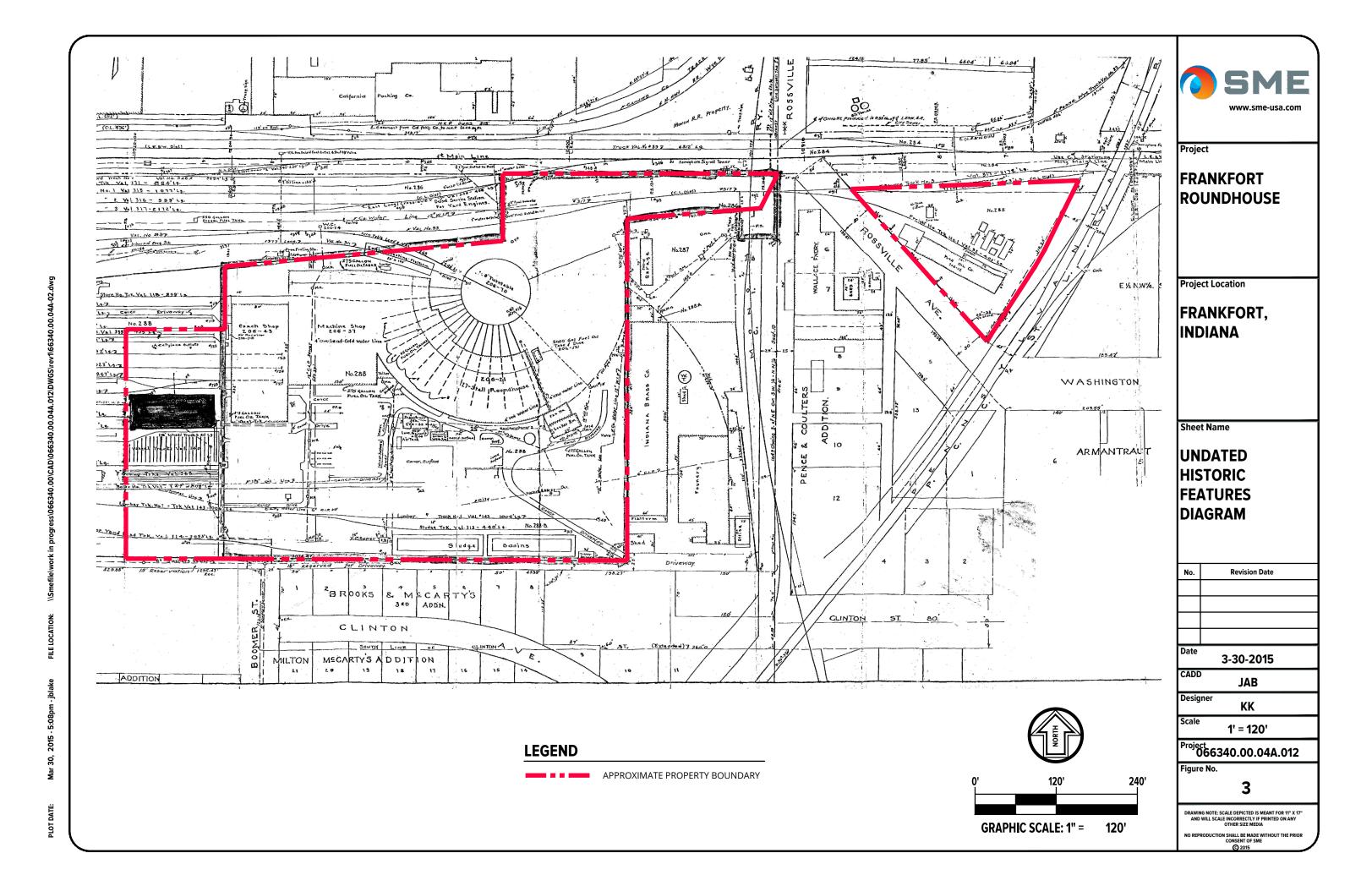
REPRODUCTION SHALL BE MADE WITHO CONSENT OF SME

LEGEND

APPROXIMATE PROPERTY BOUNDARY

275 OR 55 GALLON FUEL OIL TANKS

GRAPHIC SCALE: 1" = 120'



APPENDIX A

PHOTOGRAPHS





PHOTO NO. 1: View of the main facility from the northeast facing southwest.



PHOTO NO. 2: View of the bay doors of the roundhouse within the main facility.

SME Project No.: 066340.00.04A.012

Photographs by: Kelly Kuhn and Christopher G. Shaw, CHMM

Date: January 30, 2015 & February 5, 2015

Project: Frankfort Roundhouse Location: Frankfort, Indiana





PHOTO NO. 3: View of the main facility from the south facing north-northeast.



PHOTO NO. 4: View of the transformer house located south of the main facility.

Photographs by: Kelly Kuhn and Christopher G. Shaw, CHMM

Date: January 30, 2015 & February 5, 2015





PHOTO NO. 5: View of the roundhouse portion of the main facility, taken from the south facing north, with locker rooms visible east of the roundhouse.



PHOTO NO. 6: Vaults/pits covered with railroad ties present on the roundhouse parcel.

Photographs by: Kelly Kuhn and Christopher G. Shaw, CHMM

Date: January 30, 2015 & February 5, 2015





PHOTO NO. 7: Saddle for former 5,000-gallon fuel oil tank located east of the main facility.



PHOTO NO. 8: Interior of the coach shop portion of the main facility.

Photographs by: Kelly Kuhn and Christopher G. Shaw, CHMM

Date: January 30, 2015 & February 5, 2015





PHOTO NO. 9: View of the interior of the machine shop portion of the main facility. The burned building and the oil-soaked wood flooring are visible.



PHOTO NO. 10: View of a pit located in the machine shop portion of the main facility. These pits were present throughout the machine shop.

Photographs by: Kelly Kuhn and Christopher G. Shaw, CHMM

Date: January 30, 2015 & February 5, 2015





PHOTO NO. 11: View of collapsed roof in the roundhouse portion of the main facility.



PHOTO NO. 12: View of the pits associated with each roundhouse bay. The collapsed roof is visible in the background.

Photographs by: Kelly Kuhn and Christopher G. Shaw, CHMM

Date: January 30, 2015 & February 5, 2015





PHOTO NO. 13: View of the turntable associated with the roundhouse.



PHOTO NO. 14: View of the office building at the roundhouse parcel, taken from the south facing north.

Photographs by: Kelly Kuhn and Christopher G. Shaw, CHMM

Date: January 30, 2015 & February 5, 2015





PHOTO NO. 15: General debris and vandalized interior of the office building on the Property.



PHOTO NO. 16: Storage of 33 roll-off containers, many with "Heritage" marked on the cover, located north of the office building.

Photographs by: Kelly Kuhn and Christopher G. Shaw, CHMM

Date: January 30, 2015 & February 5, 2015





PHOTO NO. 17: Monitoring well located on the southern portion of the Property.



PHOTO NO. 18: View of underground vaults in the southern brushy area of the roundhouse parcel, taken in the southeastern portion of the parcel.

Photographs by: Kelly Kuhn and Christopher G. Shaw, CHMM

Date: January 30, 2015 & February 5, 2015





PHOTO NO. 19: Stained concrete in the demolished roundhouse portion of the Property.



PHOTO NO. 20: View across the demolished portion of the roundhouse facing southwest.

Photographs by: Kelly Kuhn and Christopher G. Shaw, CHMM

Date: January 30, 2015 & February 5, 2015





PHOTO NO. 21: View of the northeastern extent of the roundhouse parcel, facing east towards the eastern parcel.



PHOTO NO. 22: View of the pallet manufacturer located to the northeast of the roundhouse parcel.

Photographs by: Kelly Kuhn and Christopher G. Shaw, CHMM

Date: January 30, 2015 & February 5, 2015





PHOTO NO. 23: View of the Frankfort Midwest Heritage Trust Inc. vacant property to the east of the roundhouse parcel, with the Winski Brothers scrap yard in the distance.



PHOTO NO. 24: Commercial storage building located south of the roundhouse parcel. Note the former foundation, concrete debris, and general refuse present on the Property.

Photographs by: Kelly Kuhn and Christopher G. Shaw, CHMM

Date: January 30, 2015 & February 5, 2015





PHOTO NO. 25: View of the Dollar General store located south of the western extent of the roundhouse parcel.



PHOTO NO. 26: View of the Norfolk Southern rail yard operations to the west of the Property. The photo is zoomed in, with the coal dock visible.

Photographs by: Kelly Kuhn and Christopher G. Shaw, CHMM

Date: January 30, 2015 & February 5, 2015





PHOTO NO. 27: View of the Wabash National Corporation building north of the roundhouse parcel across the railroad tracks.



PHOTO NO. 28: View of the eastern parcel, taken from the west, facing east. Note the Winski roll-off dumpster. Kramer Brothers Lumber Company is visible to the east.

Photographs by: Kelly Kuhn and Christopher G. Shaw, CHMM

Date: January 30, 2015 & February 5, 2015





PHOTO NO. 29: View of the pile of railroad ties stored near the railroad tracks and the snow pile located on the eastern parcel, taken from the west facing east.



PHOTO NO. 30: View of the vacant lot north of the eastern parcel across the railroad tracks.

Photographs by: Kelly Kuhn and Christopher G. Shaw, CHMM

Date: January 30, 2015 & February 5, 2015





PHOTO NO. 31 View of Kramer Brothers Lumber Company located to the east of the eastern parcel.



PHOTO NO. 32: View of the Winski Brothers scrap yard and use of part of the eastern parcel as a parking lot.

Photographs by: Kelly Kuhn and Christopher G. Shaw, CHMM

Date: January 30, 2015 & February 5, 2015

APPENDIX B

HISTORICAL RESEARCH DOCUMENTATION

PHASE I ENVIRONMENTAL SITE ASSESSMENT REPORT FOR FRANKFORT ROUNDHOUSE SITE STATE ROUTE 28 AND BOOMER STREET FRANKFORT, CLINTON COUNTY, INDIANA

Prepared for:

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 5 77 West Jackson Boulevard Chicago, Illinois 60604

and

CLINTON COUNTY CHAMBER OF COMMERCE/ECONOMIC DEVELOPMENT

259 East Walnut Street Frankfort, Indiana 46041

Prepared by:

WESTON SOLUTIONS, INC.

750 Bunker Court, Suite 500 Vernon Hills, Illinois 60061

Date Prepared May 18, 2012

Technical Direction Document Number S05-0008-1111-035

Document Control Number 1693-2A-AVDE

Contract Number EP-S5-06-04

START Program Manager Kathleen Mooney

Telephone Number (517) 381-5934

U.S. EPA Targeted Brownfields

Assessment Coordinator Brad Stimple

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May 18, 2012

Prepared by:	Datu Sun_	Date:	5/18/2012	
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LIST OF ABBREVIATIONS AND ACRONYMS

-			
AAI	All Appropriate Inquiries	HMIRS	Hazardous Materials
ACM	Asbestos containing material		Information Reporting
AMSL	Above mean sea level		System
ASTM	American Society for Testing	ICIS	Integrated Compliance
	and Materials		Information System
AST	aboveground storage tank	IDCL	Industrial Default Closure
AUL	Activity and use limitation		Level
bgs	Below ground surface	IDEM	Indiana Department of
CAP	Corrective Action Plan		Environmental Management
CERCLA	Comprehensive	IDNR	Indiana Department of Natural
02110211	Environmental Response,	121,11	Resources
	Compensation and Liability	INDOT	Indiana Department of
	Act	11 (201	Transportation
CERCLIS	Comprehensive	Kg	kilogram
CLICLE	Environmental Response,	LQG	Large Quantity Generator
	Compensation and Liability	LUCIS	Land Use Control Information
	Information System	20013	System
CESQg	Conditionally Exempt Small	LUST	Leaking underground storage
3—2 (8	Quantity Generators		tank
CFR	Code of Federal Regulations	mg/L	Milligrams per liter
CLD	Chemical and Land Division	mg/kg	Milligrams per kilogram
DOD	Department of Defense	MGP	Manufactured gas plant
DRO	Diesel range organics	MLTS	Material Licensing Tracking
EDR	Environmental Data		System
	Resources, Inc.	NFA	No Further Action
ERNS	Emergency Response	NFRAP	No Further Remedial Action
	Notification System		Planned
ESA	Environmental Site	NPDES	National Pollutant Discharge
	Assessment		Elimination System
FEMA	Federal Emergency	NPL	National Priorities List
	Management Agency	NSRC	Norfolk Southern Railroad
FIFRA	Federal Insecticide, Fungicide,	ODI	Company
EDIDG	and Rodenticide Act	ODI	Open Dump Inventory
FINDS	Facility Index System/Facility	OSC	On-Scene Coordinator
FOLA	Registry System	PADS	PCB Activity Database
FOIA	Freedom of Information Act	DAH	System
FRDS	Federal Reporting Database System	PAH	Polycyclic aromatic hydrocarbon
FTTS	IFRA/TSCA Tracking System	PCB	Polychlorinated biphenyl
FUDS	Formerly Used Defense Sites	PCE	Tetrachloroethylene
GRO	Gasoline range organics	PWS	Public water supply
		~	

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LIST OF ABBREVIATIONS AND ACRONYMS (CONTINUED)

RAATS RCRA Administrative Action VRP Voluntary Remediation

Tracking System Program

RADINFO Radiation Information WESTON Weston Solutions, Inc.

Database

RCRA Resource Conservation and

Recovery Act

RDCL Residential Default Closure

Level

REC Recognized Environmental

Condition

ROD Records of Decision

SHWS State Hazardous Waste Site SQG Small Quantity Generator SRP Site Remediation Program START Superfund Technical

Assessment and Response

Team

SVOC Semivolatile organic

compound

SWL/LF Solid Waste Facility/Landfill

SWRCY Solid Waste Recycling TBA Targeted Brownfield

Assessment

TCE Trichlorethene

TPH Total petroleum hydrocarbons

TRIS Toxic Chemical Release

Inventory System

TSCA Toxic Substances Control Act

TSDF Treatment, Storage, and

Disposal Facilities

UMTRA Uranium Mill Tailings Sites U.S. EPA United States Environmental

Protection Agency

U.S. FWS United States Fish and

Wildlife Service

USGS United States Geological

Survey

UST Underground storage tank
VCP Voluntary Cleanup Program
VFC Virtual Filing Cabinet

VOC Volatile organic compound

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1 INTRODUCTION

1.1 SCOPE OF WORK AND PURPOSE

Weston Solutions, Inc. (WESTON®) conducted a Phase I Environmental Site Assessment (ESA)

of the property located at the intersection of State Route 28 and Boomer Street in Frankfort,

Clinton County, Illinois (Subject Property). The Subject Property is approximately 12 acres, and

is currently owned by the Norfolk Southern Railroad Company (NSRC). The ESA was

conducted in general accordance with the standard practices established in the American Society

for Testing and Materials (ASTM) E 1527-05 (ASTM, 2005). The United States Environmental

Protection Agency (U.S. EPA) has determined that the ASTM Standard E 1527-05 is in full

compliance with the requirements of 40 Code of Federal Regulations (CFR) Part 312 – Innocent

Landowners, Standards for Conducting All Appropriate Inquiries (AAI).

The purpose of an ESA is to identify (1) recognized environmental conditions (RECs) associated

with the historical use of the property, (2) recognized physical conditions of buildings and adjacent

grounds, and (3) recognized present operational practices. ASTM E 1527-05 defines a REC as:

"...the presence or likely presence of any hazardous substances or petroleum products on a property under conditions that indicate an existing release, a past release, or a material

threat of a release of any hazardous substances or petroleum products into structures on the property or into the ground, ground water, or surface water of the property. The term

includes hazardous substances or petroleum products even under conditions in compliance with laws. The term is not intended to include *de minimis* conditions that generally do not present a threat to human health or the environment and that generally

would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies. Conditions determined to be *de minimis* are not

recognized environmental conditions."

A Phase I ESA consists of four general components: (1) a records review, (2) a site reconnaissance,

(3) interviews, and (4) a report. The first three components are conducted to identify environmental

conditions related to the Subject Property. This Phase I ESA report provides the results of the first

three components and fulfills the fourth.

This Phase I ESA report contains the reconnaissance results for the Subject Property and

surrounding properties, and a review of property, government, and historical records. Information

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used to complete the ESA was reasonably attainable and visually and physically observable. The

Phase I ESA did not include any testing or sampling of materials (e.g., soil, water, sediment, or

building materials).

1.2 SPECIAL TERMS AND CONDITIONS

Except as specified below, WESTON has prepared this document solely for the benefit of the U.S.

EPA Region 5 and the Clinton County Chamber of Commerce / Economic Development. Any use

of this document or information herein by persons or entities other than the U.S. EPA, the Clinton

County Chamber of Commerce / Economic Development, or the Frankfort-Midwest Rail Heritage

Trust, Inc. without the express written consent of WESTON will be at the sole risk and liability of

said person or entity, and WESTON will not be liable to the U.S. EPA, the Clinton County

Chamber of Commerce / Economic Development, or such persons or entities, for any damages

resulting therefrom. It is understood that this document may not include all information pertaining

to the Subject Property.

1.3 LIMITATIONS AND EXCEPTIONS OF ASSESSMENT

ASTM E 1527-05 acknowledges that, "No environmental site assessment can wholly eliminate

uncertainty regarding the potential for RECs in connection with a property." The ESA "...is

intended to reduce, but not eliminate, uncertainty regarding the potential for recognized

environmental conditions in connection with a property, and this practice recognizes reasonable

limits of time and cost." Furthermore, ASTM E 1527-05 states that "...there is a point at which the

cost of information obtained or the time required to gather it outweighs the usefulness of the

information and, in fact, may be a material detriment to the orderly completion of transactions."

WESTON has identified the following limitations and exceptions for this assessment:

Information pertaining to the property valuation and tax files were not reviewed by

WESTON. The user should obtain and evaluate these records to achieve compliance

with the ASTM standard for AAI.

Not all areas of the Site were able to be visually assessed at the time of the site visit.

The former roundhouse, machine shop and coach shop buildings are partially collapsed

and all entry points were boarded or locked up, and was unsafe for entry.

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These limitations and exceptions are not thought to be significant data gaps or exert a material impact on the findings and conclusions of this ESA.

1.4 PERSONNEL PERFORMING ESA AND QUALIFICATIONS

The ESA was completed by the following team of WESTON personnel, whose qualifications are provided at the end of this report:

- David Sena, Superfund Technical Assessment and Response Team (START) Project Scientist
- Krista Richardson, START Project Manager
- Kathleen Mooney, START Targeted Brownfield Assessment (TBA) Program Manager

Ms. Krista Richardson, START Project Manager, is considered an Environmental Professional as defined by 40 CFR 312.10, and has undertaken the inquiry as defined in 40 CFR 312.21(b). The following is the Environmental Professional certification:

"I declare that, to the best of our professional knowledge and belief, I meet the definition of Environmental Professional as defined in 40 CFR 312.10. I have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the Subject Property. I have developed and performed all the appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312."

Krista Richardson			
Certifying Environmental Professional (Print)			
START Project Manager			
Krista Richardson			
Signature			
5/18/2012			
Date			

1.5 USER RESPONSIBILITIES

Section 6 of ASTM E 1527-05 outlines the responsibilities of the user of a Phase I ESA to assist in the identification of potential RECs. The user is defined as the party seeking to use Practice E 1527 to complete an ESA of the property. A user may include, without limit, a potential purchaser of I:\WO\START3\1693\44352RPT.DOCX

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property, a potential tenant of property, an owner of property, a lender, or a property manager. User

responsibilities include the following:

• A review of reasonably ascertainable land title records and liens that might be recorded against the property. These might include environmental liens, or Activity and Use

Limitations (AULs) (deed recordings and/or deed restrictions). As part of this ESA,

WESTON has not been notified of any such liens or restrictions.

• Communication to the environmental professional of any specialized knowledge or

experience, or other information that might be material to the identification of RECs. Information provided by the property owner is incorporated herein.

• Consideration of the purchase price to the fair market value of the property assuming the

property has not been contaminated through past usage. No information regarding the fair market value of the property was provided to WESTON.

1.6 DISCLAIMERS

WESTON performed the Phase I ESA in general conformance with the scope and limitations of

the ASTM standard and subject to the conditions and limitations noted herein. Site

reconnaissance information utilized is based on the conditions existing on the date of

WESTON's visit to the Subject Property. The findings and conclusions presented herein are

professional opinions based solely on visual observations of the Subject Property and vicinity,

and interpretation of information provided or reasonably available to WESTON. Past conditions

were considered on the basis of observations, readily available records, interviews, and

recollections.

WESTON does not warrant or guarantee the correctness, completeness, and/or currentness of the

information obtained from third parties contained in the environmental record sources and

recollections used for this ESA report. Such information is the product of independent

investigation by parties other than WESTON and/or information maintained by government

agencies.

WESTON did not collect samples or perform any testing during the reconnaissance of the

Subject Property. It is possible that past contamination remains undiscovered, or that Subject

Property conditions may change. WESTON does not warrant or guarantee the Subject Property

suitable for any particular purpose, or certify the Subject Property as "clean."

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This document was prepared by Weston Solutions, Inc., expressly for U.S. EPA and MAEDCO. It shall not be released or disclosed in whole or in part without the express written permission of U.S. EPA and MAEDCO.

Frankfort Roundhouse Property Phase I ESA Report Revision: 0

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Detailed indoor air quality, asbestos, lead-based paint, occupational health and safety, radon, and

wetland surveys were not requested, nor included, as part of this ESA.

Information, limitations, and disclaimers provided in this general section apply to all of the

property-specific sections throughout the remainder of this report.

2 PROPERTY DESCRIPTION

2.1 PROPERTY DESCRIPTION, LOCATION, AND HISTORY

State Route 28 and Boomer Street
Frankfort, Indiana 46041
The approximate size of the property is 11.4 acres.
The geographical coordinates for the Site are 40° 16' 53.8" North latitude
and 86° 31' 17.0" West longitude.
The Subject Property is generally known as the Frankfort Roundhouse and is
located at the intersection of State Road 28 and Boomer Street in Frankfort,
Clinton County, Indiana. The Subject Property is located in a mixed
industrial, commercial, and residential area. Figure 1 presents a 7.5 minute United States Geological Survey (USGS) topographic map indicating the Subject Property's boundaries.
The Subject Property consists of three separate tracts: Tract A, Tract B, and Tract C. Tract A is 6.89 acres and contains the roundhouse, turntable, and five additional buildings. Tract A is bordered to the north by a NSRC railroad line and the Exide Corporation located at 901 West Morrison Street; to the east by the former Indiana Brass property; to the south by the storage buildings along Clinton Street and an Indiana Farm Bureau Insurance Company building at 810 Walnut Avenue; and to the west by Tract C and an NSRC railyard. The NRCS railyard to the west includes a former locomotive fueling rack and seven former fuel unloading stations associated with a pump house building located approximately 200 feet west of the fueling rack.
Tract B is a 0.88 acre, vacant, triangular-shaped lot approximately 200 feet to the east of Tract A. Tract B is bordered to the north by the NSRC railroad line and Clear View Auto Glass, Inc., an automobile glass repair shop; to the southeast the Frankfort Secondary Subdivision railroad line (formerly Pennsylvania Railroad) and the Kramer Lumber Do-It Center lumber yard; and to the southwest by the Winski Brothers, Inc. salvage yard. Tract C is a 3.59 acre rectangular lot containing one building and a parking lot. Tract C is bordered to the north by the NSRC railroad line and the Exide Corporation located at 901 West Morrison Street; to the east by Tract A; to the south by a Dollar General store at 1001 Walnut Avenue and Del Real

Building	The Subject Property contains seven buildings: the roundhouse, a machine
Descriptions	shop, a coach shop, a yard office, outbuilding #1 (a former storage building),
1	outbuilding #2 (a former women's locker room), and outbuilding #3 (a
	former transformer storage building). Section 5.3 presents a detailed
	description of each building. Figure 2 presents an overview of the Subject
	Property.
Summary of	According to the earliest available historical Sanborn Fire Insurance Maps, in
Current and	1898 the Subject Property was owned by the Toledo, St. Louis and Kansas
Previous	City Railroad (commonly referred to as the "Clover Leaf Railroad") and
Tenant(s),	contained eight structures, including a 12-stall roundhouse and turntable.
Owner(s), Uses,	The Toledo, St. Louis and Kansas City Railroad was reorganized in 1900 and
and Dates of	renamed as the Toledo, St. Louis and Western Railroad. At this time the
Operation	company operated approximately 450 miles of rail line between Toledo and
_	East St. Louis. In 1922, the Toledo, St. Louis, and Western Railroad became
	part of the New York, Chicago, and St. Louis Railroad (better known as the
	"Nickel Plate Railroad"). The roundhouse building was destroyed in a fire in
	1924 and was rebuilt in 1926. In 1964, the New York, Chicago, and St.
	Louis Railroad merged with Norfolk & Western. In 1982, Norfolk &
	Western merged with the Southern Railway to become the present-day
	owner, NSRC. The roundhouse building has been vacant since the early
	1990s.
	NSRC owns the 11.4-acres of the Subject Property containing the
	roundhouse and associated structures. In 2009, the Frankfort-Midwest Rail
	Heritage Trust, a 501(c)(3) non-profit Indiana Corporation formed in 2005 to
	preserve American railroad equipment, appliances, and structures focusing
	on the Nickel Plate Railroad Roundhouse, gained possession of the yard
	office building in Tract C in a non-revenue lease agreement with NSRC. The
	Frankfort-Midwest Rail Heritage Trust and the Clinton County Chamber of
	Commerce/Economic Development have intentions to restore the Subject
	Property into a community center, small business complex, and museum
	focusing on the role of America's railroads and their employees during
	World War II.
Legal Description	The Subject Property's legal description could not be located at by the
	Clinton County Recorder. The Subject Property has been under railroad
	ownership and a parcel identification number has not been assigned to the
	property. A copy of a survey description of the Subject Property is presented
	in Appendix A .

2.2 PHYSICAL SETTING

Setting	Description
Topography	The Subject Property has a relatively flat surface. The 1991 Frankfort, Indiana 7.5-minute USGS Topographic Map indicates the Subject Property has an elevation of approximately 860 feet above mean sea level (AMSL). The general topographic gradient is north (see Figure 1).
Surface and Subsurface Soil Conditions	The U.S. Department of Agriculture Soil Survey of Clinton County classifies the soil at the Subject Property as Fincastle Silt Loam. The Fincastle series consists of nearly level, deep, somewhat poorly drained soils on slight rises on broad till plains. These soils have a somewhat slow permeability (EDR, 2012a).
	Trafalgar Formation loam till forms the unconsolidated material below the Subject Property. The loam till has a thickness of approximately 300 feet. The unconsolidated material has a complex and unstratified composition.
	New Albany Shale forms the bedrock below the Subject Property. The New Albany Shale consists of mostly brownish-black carbon-rich shale, greenish-gray shale, and minor amounts of dolomite and dolomite quartz limestone. The surface of the bedrock has an elevation of approximately 600 feet AMSL. Regionally, the bedrock surface slopes to the west or slightly northwest. The permeability of shale material is considered low. The New Albany Shale Aquifer system, therefore, has a low susceptibility to contamination introduced at or near the surface (Scott, 2008).
Geology/Hydrology	Groundwater in the region occurs in and is available from the unconsolidated deposits, primarily sand and gravel in glacial drift, and from bedrock (mostly limestone and dolomite). Recharge is through precipitation that seeps through overlying permeable outwash, and alluvium. Based on the Clinton County Soil Survey, the seasonal high water level in Fincastle soils may be as shallow as 1-3 feet below ground surface in winter and early spring (EDR, 2012a).
LIWOISTARTS LEGGMASSART	The Tipton Complex Aquifer System makes up the unconsolidated aquifer system in the region. The Tipton Complex Aquifer System is characterized by unconsolidated deposits that are quite variable in materials and thickness. Aquifers in the system range from thin to thick and include multiple intra-till sands and gravels. The total unconsolidated thickness of the Tipton Complex Aquifer System generally ranges from about 200 feet to over 400 feet in Clinton County. The Tipton Complex Aquifer System is generally not susceptible to contamination because it is typically overlain by thick clay deposits. However, in places where surficial clay thickness is thin or absent is

Setting	Description
Setting	moderate to high risk to surface contamination (Scott, 2008). No information regarding the flow of groundwater or depth to groundwater at the Subject Property was reported in an Environmental Data Resources, Inc. (EDR) report obtained by WESTON. However, groundwater in the southwest region of Tract A has been observed flowing east to west (Patrick Engineering, Inc., 1992). Groundwater in the area of the former Indian Brass property, adjacent to Tract A to the east, has been observed to flow radially outward, but is believed to be generally flowing to the east or southeast (Troy Risk, Inc., 2007). Groundwater at the eastern end of the NSRC railyard, adjacent to Tract C to the west, has been observed flowing eastward, toward Tract A (Marshall Miller & Associates, Inc., 2010). At the west end of the NSRC railyard, groundwater has been observed flowing radially away from the location of the existing pump house (Marshall Miller & Associates, Inc., 2010).
Wetlands/Flood Zones	The Subject Property was not identified on the United States Fish and Wildlife Service National Wetland Inventory (U.S. FWS, 2011) and is not located within 100- or 500-year flood zones according to the Federal Emergency Management Agency (FEMA, 2011).
Surface Water	The Subject Property is located within the Wildcat Creek Watershed. Storm water runoff on the Subject Property is diverted through drains that empty into Blinn Creek, approximately 0.7 miles northwest of Tract A. Blinn Creek flows into the South Fork Wildcat Creek approximately 2.0 miles north of the Subject Property. Waterways are also present approximately 0.4 and 0.5 miles to the south and east of the Subject Property, respectively.

3 RECORDS REVIEW

3.1 PREVIOUSLY PREPARED ENVIRONMENTAL REPORTS

WESTON was provided a letter for eligibility for federal brownfield assessments by the U.S.

EPA. WESTON has provided a summary of the contents of that letter as follows:

Eligibility Determination for Targeted Brownfield Assessments with U.S. EPA-lead

The letter explains that the Subject Property's reuse has been complicated by real or perceived

contamination and that the proposed reuse of the property is for a Community Center. The letter

prepared for the Office of Brownfields Assistance regarding the Subject Property is included in

Appendix B.

3.2 STANDARD ENVIRONMENTAL RECORD SOURCES

WESTON relied on the following reports provided by EDR for information provided in this

section:

• Radius Map with GeoCheck® – An electronic search of the standard environmental record sources. This report contains certain information obtained from a variety of public and other sources reasonably available to EDR. A copy of the report is

provided in **Appendix C**.

• Sanborn Map Report – Sanborn maps were available for the Subject Property as

detailed in the attached search report, provided in **Appendix D**.

• Aerial Photo Decade Package – Historical aerial photographs were provided from a variety of sources reasonably available to EDR. A copy of the report is provided in

Appendix E.

• *Historical Topographic Map Report* – Topographic maps were provided from a variety of sources reasonably available to EDR. A copy of the report is provided in

Appendix F.

• Environmental Lien Search Report – This report includes a search of available current land title records for environmental cleanup liens and other AULs, such as

engineering controls and institutional controls. A search of ownership records and

property deeds is also included. A copy of the report is provided in **Appendix G**.

• Building Permit Report – This report includes a search of building department records for indications of environmental conditions. A copy of the report is provided in

Appendix H.

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Summaries of each of the standard environmental record source reviews are provided in

Subsections 3.3 through **3.10**.

3.3 DATABASE SEARCH SUMMARY

EDR reviewed government databases that identify potential environmental concerns in order to

determine whether the Subject Property and/or adjacent properties were listed in those databases.

EDR has represented that its procedures conform to, or exceed, the requirements of ASTM E

1527-05. Most of the information in this section has been extracted from the EDR report in

Appendix C, which describes the results of EDR's database search. The database report also

presents any findings regarding orphan sites that are in the vicinity, but that are not precisely

locatable. Standard environmental records searched included the following:

• National Priorities List (NPL);

- Proposed NPL
- NPL Liens;
- Delisted NPL;
- Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS);
- CERCLIS No Further Remedial Action Planned (NFRAP);
- Resource Conservation and Recovery Act (RCRA) Corrective Action Sites

(CORRACTS)

- RCRA Treatment, Storage, and Disposal Facilities (RCRA-TSDF)
- RCRA Large Quantity Generators (LQG)
- RCRA Small Quantity Generators (SQG)
- RCRA Conditionally Exempt Small Quantity Generators (CESQG)
- Institutional and Engineering Controls; and
- Emergency Response Notification System (ERNS);

Additional Environmental Records searched included the following:

- State Hazardous Waste Site (SHWS);
- Solid Waste Facility/Landfill (SWL/LF);
- Leaking Underground Storage Tank (LUST);

- INDIAN LUST (LUSTs on Indian Land);
- UST (Underground Storage Tanks);
- INDIAN UST (USTs on Indian Land);
- State and tribal institutional control/engineering control registries (Authorized User List);
- Voluntary Cleanup Program (VCP);
- INDIAN VCP (VCPs on Indian Land);
- State and Tribal brownfield sites (BROWNFIELD);
- Local brownfields list (US BROWNFIELD);
- Open Dump Inventory (ODI);
- INDIAN ODI (ODIs on Indian Land);
- Torres Martinez Reservation Illegal Dump Site Locations (DEBRIS REGION 9);
- Solid Waste Recycling (SWRCY);
- Clandestine Drug Labs (US CDL);
- Deleted Commissioner's Bulletin Sites List (DEL SHWS);
- National Clandestine Laboratory Register (US HIST CDL);
- CERCLA Lien Information (LIENS 2);
- Land Use Control Information System (LUCIS);
- Hazardous Materials Information Reporting System (HMIRS);
- Spills Incidents (SPILLS);
- RCRA Non-Generators List (NonGen);
- Incident and Accident Data (DOT OPS);
- Department of Defense (DOD) sites;
- Formerly Used Defense Sites (FUDS);
- Superfund (CERCLA) Consent Decrees (CONSENT);
- Records Of Decision (ROD);
- Uranium Mill Tailings Sites (UMTRA);
- Mines Master Index File:
- Toxic Chemical Release Inventory System (TRIS);
- Toxic Substances Control Act (TSCA);

- Federal Insecticide, Fungicide, & Rodenticide Act (FIFRA) / Toxic Substances Control Act (TSCA) Tracking System sites;
- FIFRA/TSCA Tracking System Administrative Case Listings;
- Section 7 Tracking Systems (SSTS);
- Integrated Compliance Information System (ICIS);
- PCB Activity Database System (PADS);
- Material Licensing Tracking System (MLTS);
- Radiation Information Database (RADINFO);
- Facility Index System/Facility Registry System (FINDS);
- RCRA Administrative Action Tracking System (RAATS);
- National Pollutant Discharge Elimination System (NPDES) Permit Listings;
- Registered Bulk Fertilizer and Pesticide Storage Facilities;
- Permitted Sources & Emissions Listings;
- Tier 2 Facility Listings;
- Indian Reservations;
- State Coalition for Remediation (SCRD) of Drycleaners Listings;
- Coal Ash Disposal Sites;
- State Cleanup Program Sites (SCP);
- Financial Assurance Information Listings;
- Steam-Electric Plant Operation Data;
- Coal Combustion Residues Surface Impoundments Listings; and
- PCB Transformer Registration Database.

EDR also maintains a proprietary record database of manufactured gas plants (MGPs), historical auto stations, and historical cleaners.

Locations of all surrounding properties (except orphan sites) identified within the ASTM search distance with respect to the Subject Property are provided on the overview map of the EDR Report, presented in **Appendix C**.

The EDR Radius Map with GeoCheck (EDR, 2011a) did not identify the Subject Property on any of the databases searched by EDR. The EDR Radius Map with GeoCheck (EDR, 2011a)

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identified thirty-six (36) sites located within the ASTM search distance from the Subject

Property. The database findings are summarized in the following subsections and in **Table 1**.

3.3.1 U.S. EPA CERCLIS Sites

The U.S. EPA CERCLIS lists known or suspected uncontrolled or abandoned hazardous waste

sites. These sites are, or have been, investigated by the U.S. EPA for the release or threatened

release of hazardous substances. Two (2) U.S. EPA CERCLIS sites were identified within a 0.5-

mile search radius of the Subject Property:

• The Former Indiana Brass site located at 800 West Clinton Street (Map ID-A3),

adjacent to Tract A of the Subject Property to the east, is listed as a Federal CERCLIS site. Remedial actions took place at the site in 2010. See **Section 3.12.2.1** for more

information about the Former Indiana Brass site.

• The Former Ingram Richardson Company located on State Road 28 west of the

Frankfort city limits (Map ID-44), 0.457 miles west of the Subject Property, is listed a Federal CERCLIS site. Remedial actions took place at the site in the 1990s. See

Section 3.12.2.2 for more information about the Former Ingram Richardson

Company site.

3.3.2 U.S. EPA RCRA Permitted Facilities

The U.S. EPA's RCRA Program identifies and tracks hazardous waste from the point of

generation to the point of disposal. RCRA facilities report generation, storage, transportation,

treatment or disposal of hazardous waste. EDR searched several RCRA generator databases and

sites on RCRA CORRACTS, RCRA CESQGs, and RCRA Non-Gen lists were identified within

the search radius of the Subject Property.

3.3.2.1 RCRA CORRACTS Sites

CORRACTS is a list of facilities that are subject to, have conducted, or are currently conducting

a corrective action. A Corrective Action Order is issued pursuant to RCRA Section 3008(h)

when a release of hazardous waste or constituents has occurred into the environment from a

RCRA facility. Three (3) RCRA CORRACTS sites were identified within a 1-mile search radius

of the Subject Property:

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• The Former Indiana Brass site located at 800 West Clinton Street (EDR Map ID-A3), adjacent to Tract A of the Subject Property to the east. See **Section 3.12.2.1** for more

information about the Former Indiana Brass site.

• The Former Ingram Richardson Company located on State Road 28 west of the city limits of Frankfort (EDR Map ID-44), 0.457 miles west of the Subject Property. See Section 3.12.2.2 for more information about the Former Ingram Richardson

Section 3.12.2.2 for more information about the Former Ingram Richardson

Company site.

• The Brock Manufacturing Company located at 1750 West State Route 28 (EDR Map

ID-49), 0.723 miles west of the Subject Property.

3.3.2.2 RCRA CESQG Sites

RCRA CESQGs generate less than 100 kilograms (kg) of hazardous waste, or less than 1 kg of

acutely hazardous waste per month. One (1) RCRA-CESQG facility, the American Body Shop,

Inc. located at 605 West Jefferson Street (EDR Map ID-14), 0.138 miles north-northeast of the

Subject Property, was identified within a 0.25-mile search radius of the Subject Property.

3.3.2.3 Federal RCRA NonGen Sites

RCRA NonGen sites are sites that do not presently generate hazardous waste but may have in the

past. Five (5) RCRA-NonGen sites were identified within a 0.25-mile search radius of the

Subject Property:

• The Former Indiana Brass site located at 800 West Clinton Street (EDR Map ID-A3),

adjacent to Tract A of the Subject Property to the east. See Section 3.12.2.1 for more

information about the Former Indiana Brass site.

• The Exide Corporation located at 901 West Morrison Street (EDR Map ID-C7, C8),

0.071 miles north of the Subject Property.

• CVS located at 460 West Walnut Street (EDR Map ID-16), 0.181 miles east-

southeast of the Subject Property.

• AT&T Indiana Telephone/Indiana Bell Telephone Company located at 257 West Clinton Street (EDR Map ID-F19), 0.235 miles east-southeast of the Subject

Property.

Stevenson's Fabricare located at 359 West Walnut Street (EDT Map ID-E23 through

E26), 0.245 miles east-southeast of the Subject Property.

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3.3.3 U.S. and State Brownfield Sites

A brownfield site is an industrial or commercial property that is abandoned, inactive, or

underutilized, on which expansion or redevelopment is complicated due to the actual or

perceived environmental contamination. Two (2) U.S. EPA Brownfield properties were

identified within a 0.5-mile search radius of the Subject Property:

• The Davis Property located at 255 West Washington Street (EDR Map ID-G20),

0.238 miles east-southeast of the Subject Property. The Davis Property is currently owned by the Frankfort Community Library and was part of a Brownfields Cleanup Cooperative Agreement with the U.S. EPA. Cleanup of the site was completed in

October 2007 and involved the removal of volatile organic compound (VOC)

contamination from unspecified media.

• Mid-State Plumbing Supply-Irwin located at 251 West Washington Street (EDR Map ID-G22), 0.24 miles east-southeast of the Subject Property. The insurance company

of the previous owner was the funding source for the site's cleanup, which was completed in October 2007. Cleanup of the site involved the removal of VOC

contamination from soil and groundwater.

Three (3) Indiana Department of Environmental Management (IDEM) Brownfield properties

were identified within a 0.5-mile search radius of the property. The IDEM Brownfield properties

are:

• The Former Indiana Brass site located at 800 West Clinton Street (EDR Map ID-A3), adjacent to Tract A of the Subject Property to the east. See **Section 3.12.2.1** for more

information about the Former Indiana Brass site.

• Deford Chrysler located at 1000 West Walnut Street (EDR Map ID-B5), 0.057 miles

south of the Subject Property.

• Domino's Pizza located at 304 West Walnut Street (EDR Map ID-E31), 0.273 miles

east-southeast of the Subject Property.

3.3.4 State LUST Sites

According to IDEM, LUSTs listed as "Active" imply the LUST is currently undergoing site

characterization or corrective action. Lusts listed as "Discontinued" are active sites that are

designated "Discontinued" because the LUST was either referred to another program because the

release is not from a regulated UST, the facility ID and LUST number assigned are based on a

complaint and not to a known facility, or the LUST is a dead-end because the owner cannot be

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located and is a lower priority based on site information and potential threats to the environment. LUSTs listed as "NFA" are closed and have been granted a "No-Further-Action." Thirteen (13) reported LUSTs are located within a 0.5-mile search radius of the Subject Property and are summarized in the table below:

Property	EDR Map ID	Distance and Direction from Subject Property	LUST Sites	Affected Media	Status	Relative Elevation
Petro Plus Food Mart / Bulk #2725	B9 / B10	< 1/8 mi S	4	Soil, GW, Soil Gas	3 NFA, 1 Discontinued (active)	Higher
Former Baldwin- Salmon	12	< 1/8 mi SE	1	Soil	NFA	Higher
The Kay Company, Inc.	29	1/4 - 1/2 mi NNE	1	Soil	Discontinued (active)	Higher
John Akard	30	1/4 - 1/2 mi E	1	Soil	Discontinued (active)	Lower
Admiral Petroleum #159	H32	1/4 - 1/2 mi ESE	1	Soil, GW	Active	Lower
Personal Finance Company	H33	1/4 - 1/2 mi ESE	1	Soil	Discontinued (active)	Lower
Lend Lease Trucks Frankfort	38	1/4 - 1/2 mi WSW	1	Soil	NFA	Higher
Lilia Lima Auto Shop	J41	1/4 - 1/2 mi ENE	1	Soil	Discontinued (active)	Lower
Irving Materials, Inc.	K42	1/4 - 1/2 mi ESE	1	Soil	Discontinued (active)	Lower
Egelhoff Chevrolet, Inc.	L43	1/4 - 1/2 mi E	1	Soil	Active	Lower
Keeney's Amoco	K46	1/4 - 1/2 mi ESE	1	Soil, GW	Active	Lower
Freeport Transport, Inc.	47	1/4 - 1/2 mi SW	1	Soil	Discontinued (active)	Higher

Notes:

LUST - Leaking underground storage tank

GW-Groundwater

ID – Identification

mi - Miles

NFA - No-Further-Action

Three LUSTs within a 0.50-mile radius of the Subject Property have affected groundwater and remain active:

• Petro Plus Food Mart, located at 852 McKinley Avenue (EDR Map ID-B9) 0.105 miles south from the Subject Property. Due to its close proximity, there is potential for impact to the Subject Property due to these off-site LUSTs.

- Admiral Petroleum #159, located at 253 West Walnut Street (EDR Map ID-H32)
 0.289 miles east-southeast from the Subject Property. Based on its distance and direction, the potential for impact to the Subject Property due to this off-site LUST is low.
- Keeney's Amoco, located at 201 South Jackson Street (EDR Map ID-K46) 0.465 miles east-southeast from the Subject Property. Based on its distance and direction, the potential for impact to the Subject Property due to this off-site concern is low.

3.3.5 State UST Sites

The IDEM UST database contains registered USTs regulated under Subtitle I of RCRA. Seventeen (17) USTs on eight (8) properties were identified within a 0.25-mile radius of the Subject Property and are summarized in the table below:

Property	Map ID	Distance and Direction from Subject Property	No. of USTs	Tank Contents	Status	Relative Elevation
Frankfort Bulk Plant	2	< 1/8 mi ESE	3	2 Gasoline, 1 Diesel	Out of Service	Higher
Deford Chrysler	B6	< 1/8 mi S	1	Used oil	Out of Service	Higher
Exide Corporation	C7	< 1/8 mi N	1	Diesel	Out of Service	Higher
Petro Plus Food Mart / Bulk #2725	B9 / B10	< 1/8 mi S	6	5 Gasoline, 1 Diesel	3 gasoline - Out of Service; 2 gasoline/1 diesel – in use	Higher
Newell Gas & Appliances, Inc.	11	< 1/8 mi S	2	1 Gasoline,1 Diesel	Out of Service	Higher
Impact Cooperative, Inc.	D15	1/8 - 1/4 mi SSW	1	Gasoline	Out of Service	Higher
AT&T Indiana Telephone / Indiana Bell Telephone Company	F18	1/8 - 1/4 mi ESE	2	2 Diesel	Out of Service	Lower
Ingram-Wilbert Vault Company	28	1/8 - 1/4 mi NNW	1	Gasoline	Out of Service	Lower

Notes:

ID - Identification

mi - Miles

UST - Underground storage tank

The potential impacts of these USTs on the Subject Property could not be determined due to a lack of site-specific groundwater data and knowledge of UST condition.

3.3.6 SPILLS Sites

SPILLS is an IDEM database listing of all incidents of spills of oil, hazardous, or objectionable materials that may be released to soil and water. Four (4) SPILLS sites were identified within a 0.5-mile search radius of the Subject Property:

- The Former Indiana Brass property located at 800 West Clinton Street (EDR Map ID-A3), adjacent to Tract A to the east. In 1995, a transportation truck spilled an unspecified amount of heating oil and 750 gallons were recovered. A perched water table was reportedly affected. See **Section 3.12.2.1** for more information about the Former Indiana Brass site.
- Stevenson's Fabricare located at 359 West Walnut Street (EDR Map ID-E23 through E26), 0.245 miles east-southeast of the Subject Property. In 2003, an unspecified amount of an unspecified substance was spilled, reportedly affecting groundwater and soil. The Stevenson's Fabricare Company is a drycleaning company and according to the DRYCLEANERS databases (see Section 3.3.10) and had an 800-gallon containment of tetrachloroethylene (PCE).
- Admiral Petroleum #159 located at 253 West Walnut Street (Map ID-H32) 0.289 miles east-southeast of the Subject Property. In 1990, an unspecified amount of gasoline was spilled from a LUST affecting an area of 1,188 square feet. The spill was reportedly contained.
- Stevenson Brother's Cleaners located at 9 West Morrison Street (Map ID-I35) located 0.33 miles east northeast. In 2003, 1 gallon of "drycleaning materials" was spilled, reportedly affecting both soil and groundwater.

3.3.7 State VCP Sites

The State VCP database is a listing of facilities that voluntarily investigate and remediate their property's environmental concerns. Three (3) VCP sites were identified within a 0.5-mile radius of the Subject Property:

- Stevenson Brothers Fabricare, located at 359 West Walnut Street (EDR Map ID-E24) 0.245 miles east-southeast of the Subject Property. This site is currently listed as "Active."
- Stevenson Brother's Cleaners, located at 9 West Morrison Street (EDR Map ID-I36)
 0.33 miles east-northeast of the Subject Property. This site is currently listed as "Active."
- The Frankfort Manufactured Gas Plant, located at 358 North Jackson Street (EDR Map ID-J40) 0.4 miles east of the Subject Property. According to an IDEM VRP Project Summary (IDEM, 2002), cleanup at the Frankfort Manufactured Gas Plant was completed on January 8, 2002. Surface and subsurface soil contaminated with

VOCs and below ground structures were removed and properly disposed of in an approved landfill.

3.3.8 MANIFST Sites

MANIFEST is an IDEM database that lists and tracks hazardous waste from generators to transporters to a TSD facility. Five (5) MANIFEST sites were identified within a 0.25-mile search radius of the Subject Property:

- The Former Indiana Brass site located at 800 West Clinton Street (EDR Map ID-A3), adjacent to Tract A of the Subject Property to the east. See **Section 3.12.2.1** for more information about the Former Indiana Brass site.
- Exide Corporation located at 901 West Morrison Street (EDR Map ID-C7, C8), 0.071 miles north of the Subject Property.
- American Body Shop, Inc. located at 605 West Jefferson Street (EDR Map ID-14), 0.138 miles north-northeast of the Subject Property.
- CVS located at 460 West Walnut Street (EDR Map ID-16), 0.181 miles east-southeast of the Subject Property.
- Stevenson's Fabricare located at 359 West Walnut Street (EDR Map ID-E23 through E26), 0.245 miles east-southeast of the Subject Property.

3.3.9 SWRCY Sites

The SWRCY database is an IDEM listing of recycling facilities located in the state of Indiana. Four (4) SWRCY properties were located within a 0.5-mile search radius of the Subject Property:

- Winski Brothers, Inc. site located at 751 West Washington Street (EDR Map ID-1) between Tract A and Tract B of the Subject Property. Winski Brothers, Inc. is a recycler of aluminum cans, steel cans, and appliances. See **Section 3.13.2.2** for more information about the Winski Brothers, Inc. site.
- Ability Services located at 950 McKinley Avenue (EDR Map ID-D13) 0.123 miles south-southwest of the Subject Property. Ability Services is a recycler of newspaper and cardboard.
- Advance Auto Parts located at 380 West Walnut Street (EDR Map ID-E17) 0.232 miles east-southeast of the Subject Property. Advance Auto Parts is a recycler of automobile batteries.
- Autozone located at 356 East Washington Street (EDR Map ID-L48) 0.495 miles east of the Subject Property. Autozone is a recycler of motor oil and automobile batteries.

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3.3.10 DRYCLEANERS Sites

DRYCLEANERS is an IDEM drycleaner facility listing of drycleaners involved in the Indiana

5-Star Environmental Recognition Program, a voluntary program that grades participating

drycleaners. The program recognizes drycleaners willing to do more for the environment and

worker safety than the rules require. One (1) DRYCLEANERS site was identified within a 0.5-

miles search radius of the Subject Property.

Stevenson's Fabricare located at 359 West Walnut Street (EDR Map ID-E23 through E26) is

0.245 miles east-southeast of the Subject Property. The EDR Report indicates that Stevenson's

Fabricare did not receive a 5 star grade. The listing also indicates Stevenson's Fabricare has an

800-gallon PCE container.

3.3.11 AUL Sites

The AUL database is an IDEM listing of sites with activity and use limitations that include both

engineering controls and institutional controls. One (1) AUL site was identified within a 0.5-

miles search radius of the Subject Property.

Domino's Pizza located at 304 West Walnut Street (EDR Map ID-E31) is 0.273 miles east-

southeast of the Subject Property. The Domino's Pizza property is under an Environmental

Restriction Covenant and has an Agricultural or Food Crop Restriction, a Residential Use

Restriction, and a Groundwater Use Restriction. Chemicals of concern at the site include total

petroleum hydrocarbons (TPH) and VOCs.

3.3.12 SCP Sites

The SCP database is an IDEM listing of petroleum and hazardous waste sites not included in the

federal CERCLA program. Six (6) SCP properties were identified within a 0.5-mile search

radius of the Subject Property:

• Stevenson Brothers Fabricare located at 359 West Walnut Street (EDR Map ID-E24)

0.245 miles east-southeast of the Subject Property.

• The Davis Property/Frankfort Public Library located at 255 West Washington Street

(EDR Map ID-G20) 0.238 miles east-southeast of the Subject Property.

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• Stevenson Brother's Cleaners located at 9 West Morrison Street (EDR Map ID-I36) 0.33 miles east-northeast of the Subject Property.

 Indiana Department of Transportation (INDOT) located at 350 North Jackson Street (EDR Map ID-J39) 0.398 miles east of the Subject Property.

 Lilia Lima Auto Shop located at 401 North Jackson Street (EDR Map ID-J41) 0.405 miles east-northeast of the Subject Property.

Frankfort Bulk Terminal located at 1009 Rossville Road (EDR Map ID-45) 0.461 miles north of the Subject Property.

3.3.13 Manufactured Gas Plant Sites

The Manufactured Gas Plants Database is an EDR database that includes records of coal gas plants (manufactured gas plants) by EDR. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, potentially serving as a continuous source of soil and groundwater contamination. One (1) manufactured gas plant was identified within a 0.5-mile search radius of the Subject Property. The Frankfort Manufactured Gas Plant is located at 358 North Jackson Street (EDR Map ID-

J40), 0.4 miles east of the Site.

3.4 WATER WELL SUMMARY

EDR conducted a water well search for the area encompassing a 1-mile radius of the Subject Property (EDR, 2011a). Water well databases searched included the Federal USGS Database, the Federal Reporting Database System (FRDS) Public Water Supply (PWS) System Database,

and the State Database.

Seven (7) wells were identified on the Federal USGS database within a 1-mile radius of the Subject Property. The closest public water supply system is located 0.5 to 1 mile east-southeast and serves a population of 25. Thirty-eight (38) wells were identified on the State Database within a 1-mile radius of the Subject Property. A water well map from EDR showing the location of each well is provided in **Appendix C**.

Groundwater supplies 100% of the drinking water supply in the City of Frankfort, and is pumped from nine different wells located in two nearby aquifers. One aquifer if 100-120 feet below ground surface (bgs) and the other is 280-300 feet bgs (Frankfort Municipal Water Works, 2010).

3.5 SANBORN MAP REVIEW

Historic insurance maps, also known as Sanborn maps, were provided by EDR (EDR, 2011b). The Sanborn maps were reviewed to evaluate development or other significant activity on the Subject Property and adjacent properties. A copy of the Sanborn maps is included in **Appendix D**. Reviews are summarized below.

Year	Description - Tract A and Tract C
1887	Subject Property – Not available
	North – Not available
	East – The Logansport Manufacturing Company, containing a small steam saw mill, is
	present. The remainder of the area to the east is vacant.
	South – Not available
	West – Not available
1892	Subject Property – Not available
	North – Not available
	East – The property formerly belonging to the Logansport Manufacturing Company is
	vacant.
	South – Not available
	West – Not available
1898	Subject Property – The Subject Property is labeled "T. St. L. & K. C. R. R. (Clover
	Leaf) Round House, Car Shops, and Ice Warehouse" and consists of several structures
	including: 1) a store room, 2) a building containing a paint shop, a carpenter shop, a tin
	shop, pattern shop, a planing mill with wood working machinery, and an upholstering
	shop, 3) a building containing an erecting shop, machine shop, blacksmith and boiler
	shop, crucibles, and brass foundry; 4) a 25,000 gallon water tank; 5) a small oil
	warehouse; 6) a sand warehouse; 7) a 12-stall semi-circular roundhouse; and 8) a
	turntable. A 6-inch private water supply line is located running east-west along the
	south border of the property. Another water pipe cuts through the property east of the
	roundhouse building.
	North – Railroad tracks are present.
	East – Vacant
	South – Several small dwellings and stables are present.
	West – Railroad tracks and lumber piles are present.

Year	Description - Tract A and Tract C
1906	Subject Property – Not available
	North – The Federal Canning Company, containing a large warehouse, a processing room, oil warehouse, underground gas machinery, catsup warehouse, empty can
	warehouse, and peeling room, is present to the north of the railroad tracks.
	East – The Frankfort Brass Works Company, containing a foundry, coke room, coal
	storage room, shipping machinery room, and sand shed, is present.
	South – No significant changes from 1898 Sanborn Map
	West – Not available
1912	Subject Property – Not available
	North – No significant changes from 1906 Sanborn Map
	East – The buildings formerly belonging to the Frankfort Brass Works Company are
	labeled as vacant.
	South – No significant changes from 1906 Sanborn Map
1005	West – Not available
1927	Subject Property – The name of the Subject Property has changed to "N. Y. C. & S. T.
	L. R. R. Shops." Additions to each end of the roundhouse have enlarged the structure
	and have connected it directly to the adjacent machine shop to the west. The machine shop has been enlarged and directly connects to the paint shop. A tank if located
	northwest of the intersection of Boomer and Clinton Streets where Boomer Street
	dead-ends at the Subject Property. This is the location of 1,000-gallon LUST
	containing gasoline that was removed from the area of the Subject Property in 1990
	(additional information in Section 3.13.1.1). The carpenter shop has been converted to
	a coach shop with another machine shop south of the coach shop. Two tool houses
	have been added to the south of the blacksmith shop. Transformers are is present at the
	southeast corner of the original roundhouse structure. A brick building with a brick
	chimney is located directly south of the transformers in the current location of
	outbuilding #3. An office building is located south of the central area of the
	roundhouse. Another office building is located to the west of the coach shop where the
	current yard office is located. The oil warehouse is located on the west side of the
	machine shop, north of the coach shop.
	North – The property formerly known as the Federal Canning Company is now the
	Kemp Brothers Packing Company, a corn canning company, and contains a husking shed, a finished product warehouse, and storage buildings.
	East – The property formerly known as the Frankfort Brass Works Company is now
	the Indiana Brass Company, a manufacturer of water and gas brass goods, and contains
	a machine shop, foundry, finished product warehouse, and 5,000 gallon water tank.
	South – A neighborhood of small residential dwellings is present on Clinton Avenue
	and Walnut Avenue.
	West – A car repair shop is present.

Year	Description - Tract A and Tract C
1946	Subject Property – A small acetylene plant has been added to the south of the machine
	shop. A boiler house, water treatment plant, and four water tanks are present south of
	the roundhouse. The transformer building has been enlarged and the brick building
	with the chimney is no longer present. A small building is located immediately
	southeast of the transformer building in the current location of outbuilding #2. The
	office building west of the coach shop has been enlarged.
	North – The buildings belonging to the Kemp Brothers Packing Company have been
	enlarged.
	East – A factory building has been added to the foundry building on the Indiana Brass
	Company property.
	South – No significant changes from the 1927 Sanborn Map
	West – No significant changes from the 1927 Sanborn Map
1961	<u>Subject Property</u> – Two fuel oil ASTs have been added to the north of the roundhouse.
	No other significant changes are noted.
	North – The property formerly known as Kemp Brothers Packing Company is now
	the California Packing Corporation. The company enlarged the buildings on their
	property and added an oil warehouse and two vinegar tanks.
	East – The Indiana Brass Company enlarged the buildings on their property and added
	a fuel oil tank to the north of the factory building.
	South – A transformer yard surrounded by a wire fence has been added south of Tract
	C to the west of the residential neighborhood.
	West – No significant changes from the 1946 Sanborn Map

Year	Description - Tract B
1887	Subject Property – One small dwelling is present.
	North – A railroad containing four tracks is present. Land to the north of the railroad is
	vacant.
	East – The Kramer Brothers Planing Mill Lumber Yard, containing lumber warehouses
	and piles, is present across a railroad running northeast to southwest.
	South – The WM. G. Morris Coal, Wood, and Tile Company, containing a wood pile,
	two coal sheds, and tile shed, is present on the west side of the railroad tracks.
	Buildings associated with the Kramer Brothers Planing Mill and Lumber Yard are
	present on the east side of the railroad tracks.
	West – The Wallace Manufacturing Company, containing a foundry, machine room,
	and wood shop, is present across West Washington Avenue.
1892	Subject Property – No significant changes from 1887 Sanborn Map
	North – No significant changes from 1887 Sanborn Map
	East – No significant changes from 1887 Sanborn Map
	South – No significant changes from 1887 Sanborn Map
	West – No significant changes from 1887 Sanborn Map

Year	Description - Tract B
1898	<u>Subject Property</u> – The dwelling has been replaced by a fence-lined stock pen area and
	five small buildings. A branch of the railroad extends along and ends in the southwest
	region of the Subject Property.
	North – The railroad tracks have widened and southernmost track runs through the Subject Property. Small dwellings and stables are present to the north of the railroad.
	East – No significant changes from 1892 Sanborn Map
	South – No significant changes from 1892 Sanborn Map
	West – No significant changes from 1892 Sanborn Map
1906	Subject Property – The stock pen area has been reduced and a 1-story brick coal shed is
1700	present in the northeast region of the Subject Property. Two 1-story buildings are
	present in the southwest region.
	North – No significant changes from 1898 Sanborn Map
	East – No significant changes from 1898 Sanborn Map
	South – No significant changes from 1898 Sanborn Map
	West – The Wallace Manufacturing Company has added an iron and coke shed.
1912	<u>Subject Property</u> – The stock pen area has been converted to a stock yard area and all
	buildings are coal-containing buildings. A branch of the railroad extends along and
	ends in the north region of the Subject Property.
	North – No significant changes from 1906 Sanborn Map
	East – No significant changes from 1906 Sanborn Map
	<u>South</u> – The property formerly known as the WM G. Morris Coal, Wood, and Tile Company is the Morris Coal Yard.
	West – No significant changes from 1906 Sanborn Map
1927	Subject Property – A brick freight house is the only building on the Subject Property,
1,2,	located in the south region. Two parallel railroad branches extend along and end to the
	north of freight house.
	North – No significant changes from 1912 Sanborn Map
	East – No significant changes from 1912 Sanborn Map
	South – The property formerly known as the Morris Coal Yard has been replaced by a
	several hay-containing buildings and a stable. One coal-containing building remains.
10.11	West – No significant changes from 1912 Sanborn Map
1946	Subject Property – The Freight Warehouse has been converted to an oil warehouse. At
	least four elevated gasoline tanks and one pump house are present to north of the oil
	warehouse in the central region of the Subject Property.
	<u>North</u> – Two pairs of aboveground gasoline tanks, an oil warehouse, and an automobile and oil warehouse are present north of the railroad.
	East – No significant changes from 1927 Sanborn Map
	South – A dry goods warehouse, an office, and a shed are present.
	West – The property formerly known as the Wallace Manufacturing Company is the
	Winski Brothers, Inc. salvage yard. The former foundry has been replaced by a junk
	warehouse.

Year	Description - Tract B
1961	Subject Property – No significant changes from 1946 Sanborn Map
	North – No significant changes from 1946 Sanborn Map
	East – No significant changes from 1946 Sanborn Map
	South – No significant changes from 1946 Sanborn Map
	West – No significant changes from 1946 Sanborn Map

3.6 AERIAL PHOTOGRAPH REVIEW

Historical aerial photographs were provided by EDR (EDR, 2011c). Copies of the aerial photographs are included in **Appendix E**. The aerial photographs were reviewed to evaluate development or other significant activity on the Subject Property and adjacent properties. The review is summarized below:

T 7	D 14
Year	Description
1952	Subject Property: The semi-circular roundhouse and turntable are present. There are
	several buildings to the west of the roundhouse. A single building exists on Tract B.
	North: A railroad borders the Subject Property to the north. To the north of the
	railroad is a large industrial building.
	East: To the east of Tract A are the former the former Indiana Brass Company,
	containing a group of buildings, and the Winski Brothers, Inc. salvage yard, containing
	at least one building. To the east of Tract B is a railroad that runs northeast-southwest.
	To the east of the railroad are small buildings.
	South: There are small buildings south of Tract A. To the south of these buildings is a
	railroad which runs northeast-southwest. To the south of Tract B are small buildings.
	West: A large railroad yard is present to the west of Tract C.
1969	Subject Property: The eastern half of the roundhouse has been demolished. Improved
	aerial resolution reveals there may be an additional structure north of the building on
	Tract B.
	North: A large warehouse or industrial building has been added to the west area of the
	California Packing Company property.
	East: Improved aerial resolution shows the current Winski Brothers property has one
	large building and a salvage yard.
	South: No significant changes noted since the previous (1952) aerial photograph.
	West: Two cylindrical oil storage tanks are present approximately 0.3 miles west of
	Tract C.

Year	Description
1977	Subject Property: A building southeast of the roundhouse, identified as a blacksmith
	shop in the 1961 Sanborn map, has been demolished.
	North: No significant changes noted since the previous (1969) aerial photograph.
	East: No significant changes noted since the previous (1969) aerial photograph.
	South: State Route 28 has been widened and straightened. The area south of the
	Subject Property no longer appears to have any residential properties; the area appears
	commercial and/or industrial.
	West: No significant changes noted since the previous (1969) aerial photograph.
1981	General: Because of the quality and scale of this map, information is difficult to discern.
1987	Subject Property: No significant changes noted since the previous (1977) aerial photograph.
	North: No significant changes noted since the previous (1977) aerial photograph.
	East: No significant changes noted since the previous (1977) aerial photograph.
	South: No significant changes noted since the previous (1977) aerial photograph.
	West: No significant changes noted since the previous (1977) aerial photograph.
1992	General: Because of the quality and scale of this map, information is difficult to
	discern.
1998	Subject Property: All structures on Tract B are no longer present
	North: No significant changes noted since the previous (1987) aerial photograph.
	East: No significant changes noted since the previous (1987) aerial photograph.
	South: One commercial building is present at the corner of Clinton Avenue and
	Boomer Street.
	West: No significant changes noted since the previous (1987) aerial photograph.
2005	Subject Property: No significant changes noted since the previous (1998) aerial photograph.
	North: No significant changes noted since the previous (1998) aerial photograph.
	East: No significant changes noted since the previous (1998) aerial photograph.
	South: Three small buildings are present to the south of Tract A on the north side of
	Clinton Avenue.
	West: The railroad yard has been reduced as numerous tracks used for storing, sorting,
	or loading/unloading have been removed.
2006	Subject Property: Small buildings or semi-truck trailers are present on Tract B.
	North: No significant changes noted since the previous (2005) aerial photograph.
	East: No significant changes noted since the previous (2005) aerial photograph.
	South: No significant changes noted since the previous (2005) aerial photograph.
	West: No significant changes noted since the previous (2005) aerial photograph.
2007	Subject Property: Tract B is vacant.
	North: No significant changes noted since the previous (2006) aerial photograph.
	East: No significant changes noted since the previous (2006) aerial photograph.
	South: No significant changes noted since the previous (2006) aerial photograph.
	West: No significant changes noted since the previous (2006) aerial photograph.

3.7 TOPOGRAPHIC MAP REVIEW

Topographic maps were provided by EDR (EDR, 2011d). Copies of the topographic maps are included in **Appendix F**. The topographic maps were reviewed to evaluate development on the Subject Property and adjacent properties. The review is summarized below:

Year	Description
1961	Subject Property: The vicinity of the Subject Property is generally flat with an elevation ranging from 850 to 860 feet AMSL. The nearest waterways are approximately 0.4, 0.5, and 0.7 miles to the south, east, and northwest, respectively. The roundhouse, turntable, and other buildings are present on Tract A. One building is present on Tract B. North: The railroad and buildings associated with the California Packing Company are present. East: Buildings associated with the Indiana Brass Company and the Winski Brothers, Inc. salvage yard are present. South: The area to the south is shown as a "Built-Up Area" but no specific buildings are depicted. West: Railroad tracks are present to the west of Tract C. Two oil storage tanks are present to the west of the railroad tracks.
1980 1991	Subject Property: No significant changes noted since the previous (1961) topographic map. North: A building has been added to the west area of the California Packing Company Property. East: No significant changes noted since the previous (1961) topographic map. South: No significant changes noted since the previous (1961) topographic map. West: No significant changes noted since the previous (1961) topographic map. Subject Property: No significant changes noted since the previous (1980) topographic
	map. North: No significant changes noted since the previous (1980) topographic map. East: No significant changes noted since the previous (1980) topographic map. South: No significant changes noted since the previous (1980) topographic map. West: No significant changes noted since the previous (1980) topographic map.

3.8 ENVIRONMENTAL LIEN REVIEW

An environmental lien search of the Clinton County Recorder Office by EDR (EDR, 2011e) did not identify any environmental liens on the Subject Property. In addition, the property owner did not know of any environmental liens on the Subject Property. The EDR Environmental Lien Search Report is included in **Appendix G**.

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3.9 BUILDING PERMIT REPORT REVIEW

A Building Permit Report was provided by EDR (EDR, 2011f). This report includes a search of

building department records for indications of environmental conditions. No property records

were available for the Subject Property. A copy of the Building Permit Report is provided in

Appendix H.

3.10 CITY DIRECTORY REVIEW

A city directory could not be located by the Clinton County Recorder's Office. As a result, city

directory information was not reviewed as part of the scope of work for this ESA.

3.11 CHAIN OF TITLE REVIEW

A chain-of-title could not be located by the Clinton County Recorder. The property has been listed

as railroad owned as far back as records were obtainable. Railroad property is not issued parcel

identification numbers nor was any tax documentation available. As a result, chain-of-title

information was not reviewed as part of the scope of work for this ESA.

3.12 U.S. EPA RECORDS REVIEW

3.12.1 U.S. EPA Records of Subject Property

Under the Freedom of Information Act (FOIA), WESTON submitted FOIA a request letter to

U.S. EPA Region 5. Both the Chemical and Land Division (CLD) and the Superfund Division

responded that no such records or reports existed in their agency.

3.12.2 U.S. EPA Records of Adjacent Sites

3.12.2.1 Former Indiana Brass Site

A copy of a Phase I and Phase II ESA of the Former Indiana Brass site, adjacent to Tract A of

the Subject Property to the west was provided to WESTON by U.S. EPA On-Scene Coordinator

(OSC) Shelly Lam. Troy Risk, Inc. completed the Phase I ESA in July 2005. Findings relevant

to the Subject Property include the following:

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- The site was a steam sawmill in the 1800s. In 1902, the facility was the Frankfort Metal Works and in 1911 the Indiana Brass Company. The facility was a foundry for the production of metal components until its closure in 2001.
- Two USTs were removed from the site in 1995. Petroleum impacted soil was excavated and disposed of off-site and confirmatory soil sampling indicated that the concentration of remaining petroleum-impacted soil was below IDEM cleanup levels. However, oil supply piping from the tanks to facility burners was not removed.
- The facility had numerous vaults and/or pits below the ground surface. These included an outdoor vault under a dust hopper, water filled vaults in the floor of the former grinding area, a former quench line in the floor of the former sand foundry area, and a water filled pit in the floor of the former foundry area. Troy Risk, Inc. (2005) indicates there was potential for the aqueous contents of these vaults and pits to leak and come in contact with shallow groundwater.

Troy Risk, Inc. completed a phase II ESA in January 2006. Actions and findings relevant to the Subject Property include the following:

- Fifteen (15) groundwater samples from on-site monitoring wells were analyzed for VOCs, RCRA metals, and polycyclic aromatic hydrocarbons (PAHs).
 - o Trichlorethene (TCE) was detected in four wells above the IDEM Residential Default Closure Level (RDCL) and in one well above the IDEM Industrial Default Closure Level (IDCL). The report indicates the Subject Property cannot be ruled out as a possible source of the TCE given its upgradient location.
 - Arsenic, chromium, and lead were detected above IDEM IDCLs in three, one, and five wells, respectively.
 - o Benzo(a)pyrene and 2-methylnaphthalene were detected in one well above the IDEM IDCL and RDCL, respectively.
- Groundwater in the area of the Former Indian Brass site was observed flowing radially outward, but is believed to be generally flowing to the east or southeast.

The U.S. EPA conducted emergency removal actions at the site in July 2010. Emergency removal actions included but were not limited to demolishing all on-site structures, controlling, containing, and removing contaminated soil, and abandoning temporary piezometers that may have been acting as a conduit for contamination migration to groundwater.

3.12.2.2 Former Ingram Richardson Site

The U.S. EPA completed on-site polychlorinated biphenyl (PCB) removal actions in 1990 and on-site lead and asbestos removal actions in 1994 at the Former Ingram Richardson site (U.S.

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EPA, 2007). All surface soils containing PCBs, lead, and all asbestos present in asphalt, soils,

building materials, and storage containers were removed. IDEM conducted follow up

groundwater monitoring beneath the site after the U.S. EPA removal action and determined

groundwater was not negatively impacted. In 2007, the U.S. EPA determined the Former Ingram

Richardson Company property was "Ready for Commercial/Industrial Reuse."

3.13 IDEM RECORDS REVIEW

3.13.1 IDEM Records of Subject Property

A search of the IDEM Virtual Filing Cabinet (VFC) located 57 documents pertaining to property

belonging to the NSRC in Frankfort, Indiana, of which the Subject Property is a part.

3.13.1.1 LUST Removal in the Southwest Region of Tract A

According to a Corrective Action Plan (CAP) written by Patrick Engineering, Inc. (1992), a

1,000 gallon UST containing gasoline was removed from the southwest portion of Tract A of the

Subject Property in December 1990. According to the historical Sanborn maps, the 1,000-gallon

UST was installed sometime before 1927. Laboratory analyses of soil samples collected from

the tank cavity indicated the UST had been leaking for an unknown amount of time. IDEM was

notified and issued Incident Number 9012537. An additional ten soil borings were advanced and

nine monitoring wells were installed. Low concentrations of TPH gasoline range organics

(GRO) were detected in 8 of 20 soil samples, ranging from 0.78 to 12 milligrams per kilogram

(mg/kg). Contaminated soil was limited to the area within 30 feet of the UST excavation.

Groundwater was encountered in silty sands and clayey silt units at a depth of between 8 and 10

feet bgs, and reported as flowing from east to west in the vicinity of the UST excavation but

fluctuated seasonally. Shallow groundwater in the area of the UST was shown to be impaired by

petroleum products as free product was observed in two of the nine monitoring wells and

groundwater sampled from the monitoring well southeast of the UST excavation had a

concentration of 11 milligrams per liter (mg/L) benzene and 14 mg/L toluene. Patrick

Engineering, Inc. recommended the removal of free product from the wells and in-situ

bioremediation of soil and groundwater. No additional documents detailing the remediation or

subsequent monitoring efforts were located on the IDEM VFC.

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3.13.1.2 LUST Removals in the Northwest Region of Tract A

According to a UST Removal Report written by the Ryan-Murphy, Inc. (1991), one 10,000-gallon diesel UST and one 6,000-gallon used oil UST were removed from the Subject Property in August 1991. Soil from above, beside, and beneath the two USTs was excavated, and approximately 250-cubic yards of visibly stained soil were stockpiled. The USTs were found to be in a non-leaking condition. However, soil samples collected from the excavation's sidewalls and floor indicated the presence of TPH in concentrations up to 8,800 mg/kg. No documents detailing corrective action or further soil and/or groundwater assessment were located on the IDEM VFC.

3.13.1.3 Past Environmental Assessment and LUST removal in Tract B

A search of IDEM VFC located one document related to Tract B of the Subject Property. The document included a Site Abatement Report, a Site Characterization Report, and a UST Closure Report. The following information was obtained from the document:

- Four USTs were removed from the Subject Property prior to 1994 but details are unknown.
- In February 1994, Alt & Witzig Engineering, Inc., advanced 14 borings throughout Tract B to a depth of up to 18 feet bgs and sampled for TPH in locations within the boring where contamination was suspected. TPH concentrations ranged from non-detect to 4,500 mg/kg with gasoline-, diesel-, and kerosene-range hydrocarbons detected. Alt & Witzig Engineering, Inc. installed three monitoring wells and collected samples for VOCs. Benzene was detected at a maximum concentration of 1.8 mg/L in a monitoring well located between the former oil warehouse and the aboveground tank farm, above the IDEM IDCL.
- In February 1995, two 500 gallon steel tanks and one 1,000 gallon steel tank were removed from the Tract B of the Subject Property. The two 500 gallon tanks contained either fuel oil or gasoline and were located west of the former oil warehouse. The 1,000 gallon tank was located west of the aboveground tank farm. During the removal, a release was identified. IDEM was notified and issued Incident Number 9503507. To eliminate the potential for additional releases, the three USTs were emptied, cleaned, and removed from the ground. During the removal, 105 cubic yards of soil were excavated.
- In August 1995 soil samples were collected from the tank cavities by Heritage Environmental Services, Inc. TPHs were detected at maximum concentration of

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1,200 mg/kg in the tank cavity west of the oil warehouse and 710 mg/kg in the tank cavity to the west of the aboveground storage tank farm.

No documents detailing corrective action or further soil and/or groundwater assessment were located on the IDEM VFC.

3.13.2 IDEM Records of Adjacent Sites

3.13.2.1 Fuel Unloading Station Remediation and Monitoring Adjacent to Tract A

To the west of Tract C is the former NSRC locomotive fueling rack and seven former fueling unloading stations. The fuel unloading stations are associated with a pump house building located approximately 200 feet west of the fueling rack. The fueling system operated from the 1950s to the mid-1980s. Marshall Miller & Associates, Inc. currently conducts quarterly groundwater sampling at this site. The most recent available Site Monitoring Report on the IDEM VFC, dated March 2010, describes the January 2010 sampling effort. According to the March 2010 report, diesel fuel impacts to soil and groundwater were initially discovered during a December 1990 removal of a 1,000-gallon UST located west of the pump house building. The January 2010 gauging event identified free product in 12 of 36 wells at the site. Free product was a maximum of 8.82 feet thick in the west region of the site and 0.5 ft thick in the east region. Groundwater on the eastern end of the site, in the vicinity of the former fueling rack, appears to flow eastward, toward Tract A of the Subject Property. At the west end of the site, groundwater appears to flow radially away from the pump house. The January 2010 sampling event identified benzene at a maximum concentration of 0.013 mg/L, above the site's IDEM VRP Tier II Residential Cleanup Goal of 0.005 mg/L. TPH diesel range organics (DRO) were detected at a maximum concentration of 38 mg/L, above the IDEM VRP Tier II Non-Residential Cleanup Goal of 2.5 mg/L. Benzo(a)anthracene, benzo(a)pyrene, benzo(b) fluoranthene, and chrysene were each detected above IDEM VRP Tier II Residential Cleanup Goals. The report indicates quarterly monitoring is planned to continue while further investigation and remedial action planning is in progress.

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3.13.2.2 Winski Brothers, Inc. Salvage Yard Site Adjacent to Tract B

A search of IDEM VFC located five documents pertaining to the Winski Brothers, Inc. salvage

yard, located at 751 West Washington Street, adjacent to Tract B to the southwest. In April

1998, the IDEM Office of Solid and Hazardous Waste investigated a complaint that Winski

Brothers, Inc. was placing oil-covered shavings on the ground. Two areas of oil-contaminated

soil were observed during the investigation, one was approximately ten feet by ten feet in size.

Oil sheen was also observed on a rain puddle which was approximately ten feet long by five feet

wide. IDEM sent Winski Brothers, Inc. a warning letter requiring cleanup of the contaminated

areas. A subsequent investigation in June 1998 indicated Winski Brothers, Inc. had achieved

compliance.

3.14 IDNR RECORDS REVIEW

The Indiana Department of Natural Resources (IDNR) Division of Nature Preserves was

contacted on January 5, 2012 requesting a search of the Indiana Natural Heritage Data Center for

federal and state endangered, threatened, and rare species, high quality natural communities, and

significant natural areas within a 0.5 mile radius of the Subject Property. No such species,

communities, or significant areas were located. Appendix I presents the response letter and

provided by IDNR Division of Natural Preserves.

3.15 STATE FIRE MARSHAL RECORDS REVIEW

A request for information was submitted to the Indiana State Fire Marshal on January 12, 2012

requesting to determine if past or present usage of the property has resulted in violations of any

environmental regulations. This included, but was not limited to, USTs, LUSTs, and emergency

response actions resulting from chemical hazards, spills, and/or other notable environmental

regulation violations or incidents. No such incidences were reported by the agency. Appendix I

presents the response letter and provided by the Indiana Department of Homeland Security,

Division of Fire and Building Safety.

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3.16 LOCAL EMERGENCY RESPONSE COMMITTEE RECORDS REVIEW

A request for information was submitted to the Clinton County Emergency Management Agency

on January 12, 2012 to determine if emergency response actions resulting from chemical

hazards, spills, and/or other notable environmental regulation violations or incidents have

occurred at the Subject Property. No such incidences were reported by the agency. Appendix I

presents the response letter and provided by the Clinton County Emergency Management

Agency.

3.17 FRANKFORT FIRE DEPARTMENT RECORDS REVIEW

A request for information was submitted to the Frankfort Fire Department on January 12, 2012 to

determine if run records, code violations, fire inspections, construction records, or tank records

existed for the Subject Property. The Frankfort Fire Department responded to a structure fire at

the Subject Property on September 5, 2011. The fire was located in an abandoned office in the

north area of the roundhouse building. The fire was quickly brought under control using foam

and a nearby hydrant. The cause of the fire was not reported. Appendix I presents the Fire

Incident Report.

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4 USER-PROVIDED INFORMATION

4.1 SPECIALIZED KNOWLEDGE

The User did not provide WESTON with any documents pertaining to the environmental

condition of the Subject Property.

4.2 VALUATION REDUCTION FOR ENVIRONMENTAL ISSUES

The User did not provide WESTON with any information related to a reduction in the value of

the Subject Property due to environmental issues.

4.3 OWNER, PROPERTY MANAGER, AND OCCUPANT INFORMATION

No additional information significant to this report was identified by the Owner, Property

Manager, or Occupants.

4.4 REASON FOR PERFORMING THE PHASE I ESA

According to the User, the Phase I ESA that resulted in this report was performed in

contemplation of a change in the ownership of the Subject Property for future development by

the Clinton County Chamber of Commerce/Economic Development.

4.5 OTHER USER INFORMATION

The User did not provide any other information that was material to this Phase I ESA.

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5 SUBJECT PROPERTY RECONNAISSANCE AND INTERVIEWS

WESTON conducted a reconnaissance of the Subject Property on March 22, 2012. The Subject

Property and adjacent properties were visually inspected from publicly accessible areas.

Photographs taken during the reconnaissance are presented in **Appendix J**. Figure 2 depicts the

site layout. The following subsections present the observations of the Subject Property and

adjoining properties made during the reconnaissance.

5.1 INTERVIEWS

On March 22, 2010, Ms. Krista Richardson and Mr. David Sena (WESTON) met with Mr. Shan

Sheridan from the Clinton County Chamber of Commerce/Economic Development and Mr. Don

Daley, a former worker at the Subject Property from 1956 to 1992. During Subject Property

reconnaissance of the Subject Property, Mr. Shan Sheridan provided Ms. Richardson with the

following historical information regarding the Subject Property:

• Clinton County Chamber of Commerce/Economic Development has intentions to

restore the roundhouse as a community center, small business complex, and museum focusing on the role of America's railroads and their employees during World War II.

• One monitoring well exists in the northeast region of Tract A that was installed by the

property owner.

• Waste water, electric, and communication lines are present at the Subject Property but

are inactive.

• Water and gas lines are active at the Subject Property.

• Abandoned steam lines run underneath the property.

• There are no drinking water wells on the Subject Property.

During Subject Property reconnaissance of the Subject Property, Mr. Don Daley provided Ms.

Richardson with the following historical information regarding the Subject Property:

• Floors within the roundhouse are constructed of wood and brick, and may be

contaminated with creosol.

• The roundhouse was originally built in the 1880s, burned down in 1923, and was

rebuilt in 1924.

• The northeast section of the roundhouse was demolished sometime in the 1960s after a wall collapse. The former stall bays, which were 3 to 4 feet deep, were backfilled with rock. Solid waste including tools and machinery may have also been used as

backfill in the original bays.

• The water treatment plant was built in 1934 and contained a 158,000-gallon steel

tank.

• Outbuilding #3 was used as a women's locker room during beginning in the 1940s.

5.2 ADJACENT PROPERTIES RECONNAISSANCE

The following is a description of the properties surrounding the Tract A and C:

• North: The NSRC railroad and the Exide Corporation facility

• <u>South:</u> Storage buildings along Clinton Street, and a Dollar General store, an Indiana Farm Bureau Insurance Company building, and a car dealership along Walnut

Avenue/State Route 28

• East: A vacant grassy lot at the former location of the Indiana Brass facility on West

Clinton Avenue and the Winski Brothers, Inc. salvage yard facility

• West: The NSRC railyard including a former locomotive fueling rack and seven former fuel unloading stations associated with a pump house building located

approximately 200 feet west of the fueling rack

The following is a description of the properties surrounding the Tract B:

• North: The NSRC railroad line and Clear View Auto Glass Inc., an automobile glass

repair shop

• Southeast: The Frankfort Secondary Subdivision railroad line (formerly Pennsylvania

Railroad) and the Kramer Lumber Do-It Center lumber yard

• Southwest: The Winski Brothers, Inc. salvage yard facility

5.3 SUBJECT PROPERTY STRUCTURES

The Subject Property contains seven buildings: the roundhouse, a machine shop, a coach shop, a

yard office, outbuilding #1, outbuilding #2, and outbuilding #3. Each structure is described in

detail below.

Roundhouse: The roundhouse portion of the facility makes up the eastern half of the complex

and consists of 15 repair bays arranged in a semicircle with the turntable at its center. The

roundhouse was originally built prior to 1898 according to Sanborn Maps but burned down and

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rebuilt in the 1920s. The building takes the form of a circle, originally reaching approximately

220 degrees. The building was broken into three sections, each separated by a masonry wall to

prevent the spread of fire from one section to another. The easternmost section of the

roundhouse was demolished sometime before 1969 according to aerial photographs. The

original bays in the easternmost section were backfilled with rock. According to a former

worker at the Subject Property, solid waste including tools and machinery may have also been

used as backfill in the original bays. The turntable consists of a bridge sitting above an

approximately 4 foot deep circular pit in which the bridge rotated. Standing water and cattails

were observed in the pit. The tracks that sat on the turntable bridge have been removed. The

south wall of the roundhouse is constructed of brick masonry and is separated into a series of

bays that correspond to the radiating structural bays of the roundhouse. Between these brick

piers are large window openings and in some cases entry doors. All windows have been

replaced by wood or corrugated fiberglass panels. The roof structure consists of heavy-timber

trusses supported by wooden columns. A masonry fire wall divides what remains of the

roundhouse into the western and southern sections. Portions of the roof structure have collapsed

in both segments of the roundhouse.

Machine Shop: The machine shop is a large rectangular shaped building connected to the coach

shop on the west and the roundhouse on the east. The machine shop functioned to support repair

of locomotives with heavy duty machinery and cranes that allowed for the movement,

fabrication, and repair of various parts. The building is first depicted on the 1927 Sanborn Map.

The exterior material consists of brick masonry concrete, corrugated metal panels, and steel and

glass windows. A significant amount of the roof is missing.

Coach Shop: The coach shop is the oldest remaining structure on the Subject Property and the

last remaining structure from the original roundhouse complex. The building is first depicted on

the 1898 Sanborn Map. The coach shop is a brick masonry structure with a wood gable roof and

sits on a concrete foundation. The building historically was used to maintain coach cars. The

coach cars were moved into the coach house through a series of eight arched openings on the

west and east elevations. The coach shop was connected to the machine shop before 1927. A 15

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foot by 5 foot by 5 foot air tank is located to the west of the coach shop. Most of the wooden

roof structure has collapsed.

Yard Office: The yard office is located to the west of the coach shop. A building at this location

is first depicted on the 1927 Sanborn Map. The building is rectangle in plan. The north two

thirds of the building is wood framed with horizontal wood siding on the north and east

elevations. Vertical wood siding is present on the west elevation of the wood framed portion.

The remainder of the building is constructed with concrete masonry unit walls. The building has

a low sloped gable roof which is covered in asphalt shingles. Lockers and desks were observed

within the building.

Outbuilding # 1: This small building is located south of the coach shop. A small building of this

general footprint is first depicted on the 1946 Sanborn Map and is labeled "STGE" for "storage".

The building is a rectangle in plan, has a gabled structure, vertically sided walls, and sits on a

concrete foundation. An unlabeled 55-gallon steel drum was observed inside this building.

Outbuilding # 2: This small building is located to the south of the roundhouse and southeast of

the transformer house. A small building of this general footprint is first depicted on the 1946

Sanborn Map and is labeled "WC" for "water closet." This building served as a women's locker

room beginning in the 1940s. The building is constructed of concrete masonry units sitting on a

concrete foundation. The building has a wood structured gabled roof topped by green asphalt

shingles. Solid waste including 1-gallon paint cans were observed within the building.

Outbuilding # 3: This building is located south of the roundhouse and west of outbuilding #2. A

building at this location is first depicted on the 1927 Sanborn Map and is labeled

"Transformers." The building appears to have been expanded between 1927 and 1941 according

to historical Sanborn Maps. The building is rectangular and its walls are constructed of brick

masonry sitting on a concrete foundation. Each opening in the brick masonry is supported by a

concrete lintel. The roof is flat and constructed of wood which is covered by a membrane roof.

The windows are steel sash with wire glass panels. The eastern portion of the building appears

to be an addition because of the difference in brick color. The roof was partially collapsed and

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the east section of the wooden floor was removed. A concrete pad that potentially formerly held

an aboveground storage tank (AST) was observed on the west side of the building.

5.4 NONAPPLICABLE CONSIDERATIONS

Given that access to Subject Property buildings was limited to due to safety concerns, the

following were not observed or evaluated during the site reconnaissance:

• Chemical use and storage

• Fluorescent lights

• Indoor air quality issues

• Sumps and oil/water separators

• Lead-based paint

5.5 POTABLE WATER AND UTILITIES

According to Mr. Shan Sheridan, potable water and gas lines are active at the Subject Property.

Electric and communication lines are present at the Subject Property but are inactive.

5.6 WASTEWATER AND STORM WATER

According to Mr. Shan Sheridan, wastewater lines are present at the Subject Property but are

inactive. No storm water drains were observed at the Subject Property reconnaissance but storm

water runoff is believed to be diverted to Blinn Creek, approximately 0.7 miles northwest of

Tract A.

5.7 ASBESTOS CONTAINING MATERIALS

No documented asbestos surveys were available for the Subject Property; however, suspect

ACM was visible at numerous locations during the site reconnaissance. The office floor of the

yard office appeared to be constructed of suspect ACM floor tiles. Insulation on piping observed

along the south wall of the roundhouse appeared to be suspected ACM. Corrugated panels in

numerous windows in the Subject Property appeared to be made from asbestos-containing

transite.

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5.8 AIR EMISSIONS

The facility ceased activities in the 1990s; no air emissions are currently generated on the

Subject Property. Historical photos of the facility show the presence of a chimney attached to

the boiler house south of the roundhouse.

5.9 MATERIALS STORAGE AND WASTE GENERATION

The facility ceased activities in the 1990s; no solid waste or hazardous wastes are currently

generated on the Subject Property. However, collapsed roof and building debris were observed

in the roundhouse, machine shop, coach shop, outbuilding #2, and outbuilding #3. The roofs

and/or walls of these buildings are in various stages of inward collapse. An unlabeled 55-gallon

steel drum was observed inside outbuilding #1. Empty roll-off boxes belonging to Winski

Brothers, Inc. were staged in the northeast region of Tract A.

5.10 STORAGE TANKS

Concrete containment pads believed to have held horizontally laying ASTs were observed to the

west of outbuilding #3 (transformer house), to the east of the roundhouse, and in the northeast

corner of Tract A. The 1961 Sanborn Map suggests the concrete pad to the north of the

roundhouse in the northeast corner of Tract A contained two ASTs containing fuel oil. The 1961

Sanborn Map also shows the presence of four ASTs associated with the water treatment plant in

the southwest corner of Tract A, and four ASTs containing gasoline in Tract B. There was no

evidence of these ASTs observed during the Subject Property reconnaissance.

5.11 RADON

No reported radon testing has been performed for the Subject Property. A U.S. EPA map of

radon zones indicates that Clinton County, Indiana, is considered a Zone 1 area. Average radon

levels for Zone 1 are 4 picocuries per liter and above. Air sampling was not performed at the

Subject Property to evaluate actual radon levels.

5.12 PCB-CONTAINING EQUIPMENT

Three pole-mounted transformers were observed at the Subject Property. The transformers had

no discernable labeling regarding PCBs. Sanborn Maps from 1927, 1946, and 1961 indicate

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outbuilding #3 was used a transformer house. No transformers were observed in this building

during the Subject Property reconnaissance but historical leaks of fluids containing PCBs from

transformers stored in this building are possible. PCBs were widely used in dielectric and

coolant fluids in transformers until the 1970s.

5.13 STAINED SOIL OR PAVEMENT

An area of stained soil was observed near the empty roll-off boxes in the northeast area of Tract

A. No other stained soil or pavement was observed during the Subject Property reconnaissance.

Oil-stained areas may be present, but were not readily observed due to potential concealment by

vegetation or debris. In addition, views of the floors of the roundhouse, machine shop, and

coach shop were limited due to building safety concerns.

5.14 STRESSED VEGETATION

No stressed vegetation was observed during the Subject Property reconnaissance.

5.15 ODORS

No strong, pungent, or noxious odors were detected during the Subject Property reconnaissance.

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6 EXCEPTIONS, DELETIONS, AND GAPS

WESTON has performed this Phase I ESA in general conformance with the scope and limitations

of ASTM E 1527-05 for the Subject Property located at State Route 28 and Boomer Street,

Frankfort, Clinton County, Indiana. Exceptions to, or deletions from, this standard practice include

the following:

• Information pertaining to the Subject Property valuation and tax files were not reviewed

by WESTON. The User should obtain and evaluate these records to achieve compliance with the ASTM standard for AAI. WESTON ordered an environmental lien record

search from EDR. The results of this search indicated that there are no environmental

liens associated with the Subject Property (Appendix G).

• Not all areas of the Site were able to be visually assessed at the time of the site visit.

The former roundhouse, machine shop and coach shop buildings are partially collapsed and all entry points were boarded or locked up, and was unsafe for entry.

These exceptions are not thought to be significant data gaps or exert a material impact on the

findings and conclusions of this ESA.

7 FINDINGS, CONCLUSIONS, AND RECOMMENDATIONS

7.1 PROPERTY DESCRIPTION FINDINGS

- The Subject Property consists of approximately 11.4 acres made up of three tracts located in an industrial, commercial, and residential area in Frankfort, Clinton County, Indiana near the intersection of Boomer Street and State Route 28.
- The Subject Property was used as a locomotive maintenance facility from the 1880s to the 1990s.
- The NSRC currently owns the Subject Property but the Clinton County Chamber of Commerce/Economic Development and the Frankfort-Midwest Rail Heritage Trust has intentions to restore the roundhouse as a community center, small business complex, and museum focusing on the role of America's railroads and their employees during World War II.
- The Subject Property contains seven buildings: the roundhouse and turntable, a machine shop, a coach shop, a yard office, outbuilding #1 (a former storage room), outbuilding #2 (a former locker room), and outbuilding #3 (a former transformer storage building). Subject Property buildings are in various stages of dilapidation.
- Historically, the Tract A and C of the Subject Property also contained a water treatment plant, an acetylene plant, a foundry, a paint shop, a carpenter shop, a tin shop, pattern shop, a planing mill, wood working shop, upholstering shop, erecting shop, blacksmith, boiler house, a 25,000 gallon water tank, an oil warehouse, and a sand warehouse. Tract B of the Subject Property historically contained an oil warehouse, at least four elevated gasoline tanks, and one pump house.

7.2 RECORDS REVIEW FINDINGS

- The EDR Radius Map with GeoCheck (EDR, 2012a) did not identify the Subject Property in any state, tribal, or federal databases
- The EDR Radius Map with GeoCheck (EDR, 2012a) presents the results of a search of standard environmental record sources and identified multiple sites located within the ASTM search distance from the Subject Property. **Table 1** presents information on each of the sites which were determined to be RECs associated with the Subject Property.
- Thirteen (13) reported LUSTs are located within a 0.5-mile radius of the Subject Property. Three LUSTs within the 0.50-mile radius have reportedly affected groundwater and remain active.
- In 1990, a 1,000-gallon LUST containing gasoline was removed from the area of the Subject Property northwest of the intersection of Boomer Street and Clinton Street.

- In 1991, a 10,000-gallon diesel and a 6,000-gallon used oil LUST were removed from the Subject Property area north of the northeast corner of the coach shop.
- Prior to 1995, seven USTs were removed from the Tract B. Three of these USTs were leaking fuel oil and gasoline.
- In 1998, two areas of oil-contaminated soil were observed during an IDEM investigation of the Winski Brothers, Inc. salvage yard adjacent to Tract B to the southwest.
- In 2006, TCE, arsenic, chromium, lead, benzo(a)pyrene, and 2-methylnaphthalene were detected in groundwater above IDEM IDCLs and/or RDCLs at the Former Indiana Brass property adjacent to Tract A to the east.
- In 2010, free product at a maximum thickness 8.82 feet and benzene, TPH DRO, benzo(a)anthracene, benzo(a)pyrene, benzo(b) fluoranthene, and chrysene were detected in groundwater at concentrations above IDEM VRP Tier II Non-Residential and/or Residential Cleanup Goals at the NSRC railyard adjacent to Tract C to the west.
- Groundwater flow direction at the Subject Property is unclear. Groundwater in the southwest region of Tract A has been observed flowing east to west. Groundwater in the area of the Former Indian Brass property, adjacent to Tract A to the east, has been observed to flow radially outward, but is believed to be generally flowing to the east or southeast. Groundwater at the eastern end of the NSRC railyard, adjacent to Tract A to the west, has been observed flowing eastward, toward Tract A. Groundwater at the west end of the NSRC railyard has been observed flowing radially away from the location of the existing pump house.

7.3 SUBJECT PROPERTY RECONNAISSANCE AND INTERVIEW FINDINGS

- Suspect ACM was visible at numerous locations during the Subject Property reconnaissance. The office floor of the yard office may be constructed of suspect ACM floor tiles. Insulation on piping observed along the south wall of the roundhouse may be suspect ACM. Corrugated panels in numerous windows in the Subject Property may be made from asbestos-containing transite.
- The northeast section of the roundhouse was demolished sometime in the 1960s after a wall collapse. The former stall bays, which were 3 to 4 feet deep, have were backfilled with rock. Solid waste including tools and machinery may have also been used as backfill in the original bays.
- AST secondary containments and foundations were observed in three locations in Tract A during the reconnaissance.
- An area of stained soil was observed near roll-off boxes in the northeast area of Tract
 A.

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7.4 CONCLUSIONS

Based upon the site reconnaissance, interviews, and records review, WESTON concludes that there is reason to believe that a release has or may have occurred on the Subject Property. The

following RECs were noted as part of this Phase I ESA:

• Historic petroleum storage and loading operations are considered a REC for the Subject Property. Six total LUSTs containing gasoline, diesel, and used oil have been confirmed on the Subject Property. AST secondary containments and foundations

were observed in three locations during the reconnaissance of which no record of registration or removal was located. An oil warehouse was identified on historical

Sanborn maps in two locations on the Subject Property.

• Historic transformer storage is considered a REC for the Subject Property as a result

of the possibility of leaks of PCB-containing oils.

• A water treatment plant was formerly located on the Subject Property. Historic

contaminant releases from the water treatment options are possible.

• Suspect ACM was visible at numerous locations during the Subject Property reconnaissance. ACM is considered a REC because significant renovations will be

necessary to allow the proposed future use of the Subject Property.

Peeling paint was evident in the Subject Property buildings. Based on the age of the buildings, suspect lead-based paint is present at the Subject Property. The lead-based

paint is considered a REC because of the proposed demolition/renovation operations

to be conducted at the Subject Property.

• Off-site RECs:

• The NSRC railyard adjacent to the Tract C of the Subject Property to the west is considered a REC for the Subject Property as a result of groundwater

contamination associated with a 1,000-gallon diesel LUST.

 A complete list of off-site RECs based on the properties identified in the EDR Radius Search is included in Table 1. Based on the judgment of WESTON's

Environmental Professional, these sites were determined to be RECs based on reported or observed historical or current property use, agency reported

environmental issues, and the potential for material impact to the Subject

Property.

7.5 RECOMMENDATIONS

Based on the information obtained during this Phase I ESA, WESTON recommends a Phase II

investigation be conducted with the following tasks to further investigation of the RECs

identified for the Subject Property:

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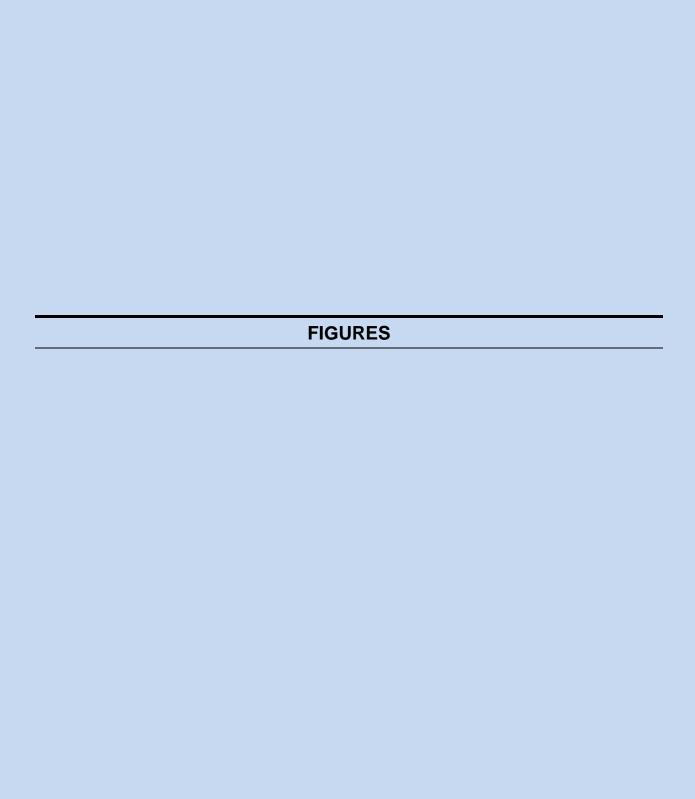
- Collect samples of subsurface soil and groundwater to determine whether soils and/or groundwater beneath the Subject Property are contaminated from historic fuel and oil storage and loading operations, and to determine whether groundwater beneath the Subject Property is contaminated from adjacent operations or from LUST incidents (and resulting migration of affected groundwater) from nearby properties.
- Collect samples of surface soil at intervals up to 2 feet bgs to determine whether soils have been impacted by historic operations conducted on the Subject Property or on the adjacent properties.
- Determine direction of shallow groundwater flow underlying the Subject Property.
- Conduct a geophysical survey using ground penetrating radar to locate buried structures including tanks, vaults, utilities, trenches, machinery, and other targets of interest.
- Conduct a detailed asbestos survey of building materials on the Subject Property.
 Potential ACM should be sampled to confirm the asbestos content prior to design of a
 removal action for abatement of the materials. Asbestos abatement activities should
 be conducted prior to movement of debris in the relevant areas.
- Conduct a lead-based paint survey of pealing paints and paints in locations that are planned to remain and may be disturbed during subsequent construction

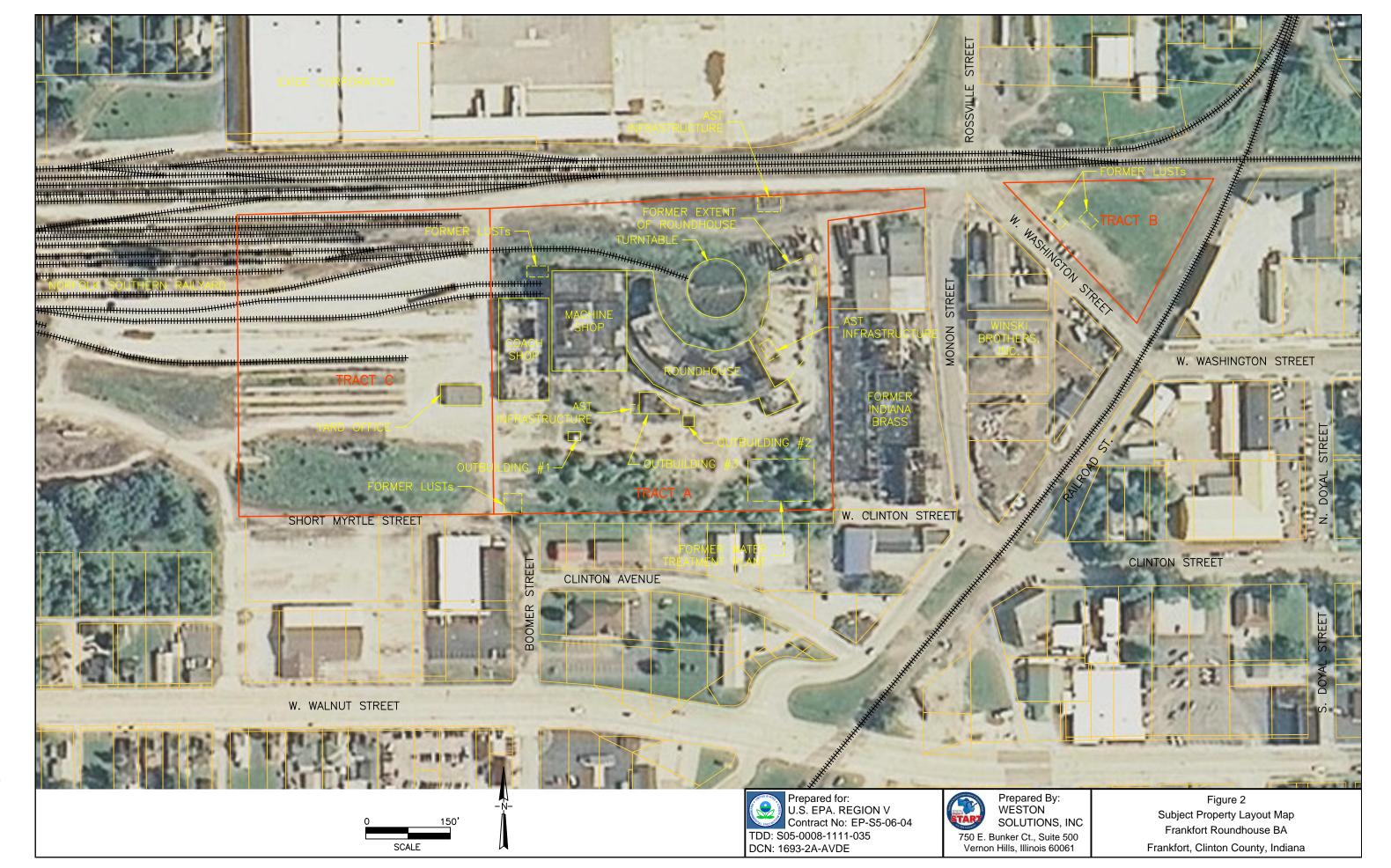
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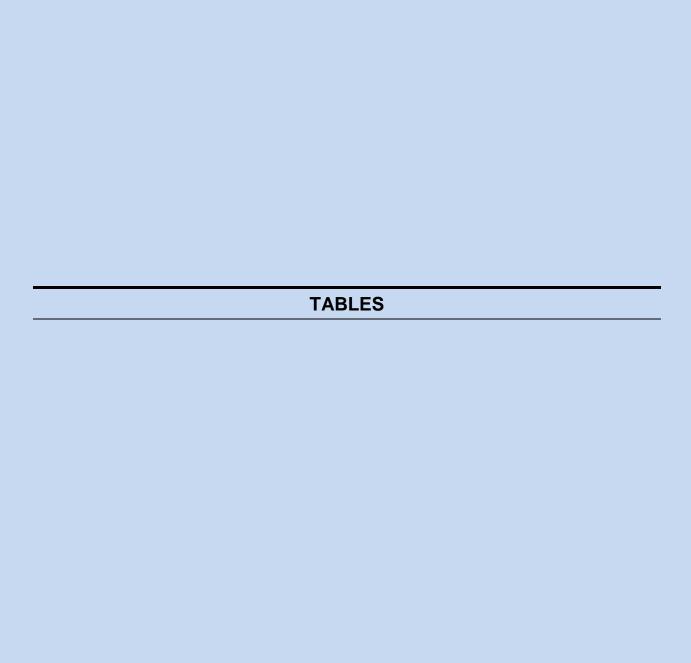


Table 1
EDR Database Search Summary
Frankfort Roundhouse Property
Frankfort, Clinton County, Indiana

Property	EDR Map ID	Address	Approx. Distance (Miles) and Direction	Relative Elevation	Database	Summary of Information from EDR Report	REC (Y/N)
Winski Brothers, Inc.	1	751 W Washington St	<1/8 E of Tract A < 1/8 W of Tract B	Higher	SWRCY	The property is a recycler of aluminum cans, steel cans, and appliances. The property received a warning letter from IDEM requiring cleanup of soil contaminated with oil. The close proximity and relative elevation qualify this property as a REC.	Y
Frankfort Bulk Plant	2	700 W Washington St	< 1/8 ESE	Higher	UST	Two gasoline USTs and one diesel UST at the property are listed as "currently out of service." There is no indication of leaks from these USTs, therefore, this property does not quality as a REC.	N
Indiana Brass	A3, A4	800 W Clinton St	< 1/8 E of Tract A < 1/8 W of Tract B	Higher	CERCLIS CORRACTS FINDS MANIFEST	In 1995, a transportation truck spilled an unspecified amount of heating oil and 750 gallons were recovered. A perched water table was affected. In 1995, two USTs were removed from the site. In 2007, VOC, metal, and PAH contamination was observed in groundwater at the property. In 2010, the property's structures were demolished and contaminated soil was excavated. The close proximity, historical presence of contamination, and historical operations qualify this property as a REC.	Y
Deford Chrysler	B5, B6	1000 W Walnut Ave	< 1/8 S	Higher	BROWNFIELDS UST	One used oil UST at the site is "currently out of service." No evidence of leaks, therefore, this property does not quality as a REC.	N
Exide Corporation	C7, C8	901 W Morrison St	< 1/8 N	Higher	FINDS MANIFEST RCRA-NonGen TIER 2 UST	Historically handled spent non-halogenated solvent waste and sulfuric acid. One diesel UST at the property is listed as "currently out of service." There is no indication of leaks from this UST. No impacts from this property to the environmental have been reported. No violations have been reported against this property. This property does not qualify as a REC	N

Table 1
EDR Database Search Summary
Frankfort Roundhouse Property
Frankfort, Clinton County, Indiana

Property	EDR Map ID	Address	Approx. Distance (Miles) and Direction	Relative Elevation	Database	Summary of Information from EDR Report	REC (Y/N)
Petro Plus Food Mart/ Bulk #2725	B9, B10	852 Mckinley Ave	< 1/8 S	Higher	LUST UST	Three gasoline USTs were installed in 1977 that are currently out of service. Two gasoline USTs and one diesel UST were installed in 1993 that are currently in use. Four LUST incidents have been reported at the site affecting soil, groundwater, and soil gas. Three LUSTs have achieved NFA and one LUST currently discontinued and active. The presence of the LUSTs, close proximity, and relative elevation qualify this property as a REC.	Y
Newell Gas & Applicances, Inc.	11	201 W 7th St	< 1/8 S	Higher	UST	One gasoline and one diesel UST at the property are "currently out of service." There are no indications of leaks from these USTs. As a result, this property does not qualify as a REC.	N
Former Baldwin-Salmon	12	601 Walnut St	< 1/8 SE	Higher	LUST	One LUST incident has been reported as affecting soil. The substance in the LUST is unspecified and the current status is NFA. Due to the matrix affected and the LUST's NFA status, this property does not qualify as a REC.	N
Abilities Services	D13	950 McKinley Ave	< 1/8 SSW	Higher	SWRCY	The property is a recycler of newspaper and cardboard. No impacts from this property to the environmental have been reported. Due to the non-threatening nature of its operations, this property does not qualify as a REC.	N
American Body Shop	14	605 W Jefferson St	1/8 - 1/4 mi NNE	Higher	FINDS MANIFEST RCRA-CESQG	Generator of ignitable wastes including spent non- halogenated solvents. No violations have been reported against this property. As a result, this property does not qualify as a REC.	N
Impact Cooperative, Inc.	D15	1013 Mckinley Ave	1/8 - 1/4 mi SSW	Higher	UST	One gasoline UST at the property is "currently out of service." There is no indication of leaks from this UST. As a result, this property does not qualify as a REC.	N

Table 1
EDR Database Search Summary
Frankfort Roundhouse Property
Frankfort, Clinton County, Indiana

Property	EDR Map ID	Address	Approx. Distance (Miles) and Direction	Relative Elevation	Database	Summary of Information from EDR Report	REC (Y/N)
CVS	16	460 W Walnut St	1/8 - 1/4 mi ESE	Higher	FINDS MANIFEST RCRA-NonGen	No impacts from this property to the environment have been reported. As a result, this property does not qualify as a REC.	N
Advance Auto Parts	E17	380 W Walnut St.	1/8 - 1/4 mi ESE	Higher	SWRCY	The property is a recycler of car batteries. No impacts from this property to the environmental have been reported. Due to the non-threatening nature of its operations, this property does not qualify as a REC.	N
AT&T Indiana Telephone / Indiana Bell Telephone Company	F18, F19	257 W Clinton	1/8 - 1/4 mi ESE	Lower	FINDS RCRA-NonGen TIER 2 UST	Two diesel USTs are "currently out of service." There are no indications of leaks. Sulfuric acid and lead were historically handled at the property. No violations have been reported against this property. This property does not qualify as a REC.	N
Davis Property / Frankfort Public Library	G20, G21	255 W Washington St	1/8 to 1/4 mi ESE	Lower	SCP US Brownfields	Cleanup of VOC contamination in soil and groundwater was completed in 2007. Due to cleanup of contamination and the relative elevation, this property does not qualify as a REC	N
Mid-State Plumbing Supply - Irwin Property	G22	251 W Washington Street 46041	1/8 to 1/4 mi ESE	Lower	US Brownfields	Cleanup of VOC contamination in soil and groundwater was completed in 2007. Due to cleanup of contamination and the relative elevation, this property does not qualify as a REC.	N
Stevenson's Fabricare / Stevenson Brother's Cleaners (359 W Walnut St)	E23- E27	359 West Walnut St.	1/8 to 1/4 mi ESE	Higher	DRYCLEANER FINDS MANIFEST RCRA-NonGen SCP SPILLS VCP	The property is a drycleaner and has historically been in possession of an 800-gallon PCE storage tank. In 2003, an unspecified amount of an unspecified substance was spilled, affecting groundwater and soil. The property is currently undergoing groundwater and soil remediation. Due to the historical release affecting groundwater, its close proximity, and its relative elevation, the property qualifies as a REC.	Y

Table 1
EDR Database Search Summary
Frankfort Roundhouse Property
Frankfort, Clinton County, Indiana

Property	EDR Map ID	Address	Approx. Distance (Miles) and Direction	Relative Elevation	Database	Summary of Information from EDR Report	REC (Y/N)
Ingram-Wilbert Vault Company	28	1259 W Mcclurg St P.O. Box 471	1/8 - 1/4 mi NNW	Lower	UST	One gasoline UST is listed as "currently out of service." Due to its relative elevation and a lack of an indication of a leak, this property does not qualify as a REC.	N
The Kay Company, Inc.	29	509 W Barner St	1/4 - 1/2 mi NNE	Higher	LUST	One LUST incident has been reported as affecting soil. The substance in the LUST is unspecified and the current status is discontinued (active) and a low priority. Due to its distant proximity and the matrix affected by the LUST, this property does not qualify as a REC.	N
John Akard	30	253 N Columbia	1/4 - 1/2 mi E	Lower	LUST UST	Five gasoline USTs are listed as "currently out of service." One gasoline LUST incident has been reported as affecting soil. The LUST is listed as discontinued (active) and a low priority. Due to its distant proximity and the matrix affected by the LUST, this property does not qualify as a REC.	N
Domino's Pizza	E31	304 W Walnut St	1/4 - 1/2 mi ESE	Lower	AUL BROWNFIELD	VOC and TPH contaminated soil and groundwater have led land used restrictions prohibiting residential use, groundwater use, and agricultural and food crop use. However, due to the distance and relative elevation, this property does not qualify as a REC.	N
Admiral Petroleum #159	Н32	253 W Walnut St	1/4 - 1/2 mi ESE	Lower	LUST SPILLS	One gasoline LUST incident and an associated gasoline spill incident were reported in 1990. The LUST/spill was reported to affect 1,188 square feet of soil and groundwater. The LUST is currently listed as active and a high priority. As a result, this property qualifies as a REC.	Y

Table 1
EDR Database Search Summary
Frankfort Roundhouse Property
Frankfort, Clinton County, Indiana

Property	EDR Map ID	Address	Approx. Distance (Miles) and Direction	Relative Elevation	Database	Summary of Information from EDR Report	REC (Y/N)
Personal Finance Company	Н33	Sr 28 & Columbia St	1/4 - 1/2 mi ESE	Lower	LUST	One LUST incident has been reported as affecting soil. The substance in the LUST is unspecified and the current status is discontinued (active) and a low priority. Due to its distant proximity and the matrix affected by the LUST this property does not qualify as a REC.	N
Stevenson Brother's Cleaners (9 W Morrison St)	I34-I36	9 W Morrison St	1/4 - 1/2 mi ESE	Lower	SCP SPILLS VCP	In 2003, 1 gallon of "drycleaning materials" was spilled, reported as affecting both the ground and groundwater. Due to its distant proximity and relative elevation, this property does not qualify as a REC.	N
Frankfort Manufactured Gas Plant	I37, J40	358 N Jackson St	1/4 - 1/2 mi E	Lower	Manufactured Gas Plants VCP	Cleanup at the property was completed in 2002. VOC contaminated surface and subsurface soil and below ground structures were removed and properly disposed of in an approved landfill. As a result, this property does not qualify as a REC.	N
Lend Lease Trucks Frankfort	38	Sells Rd	1/4 - 1/2 mi WSW	Higher	LUST	One LUST incident has been reported as affecting soil. The substance in the LUST is unspecified and the current status is NFA. Due to the matrix affected and the LUST's NFA status, this property does not qualify as a REC.	N
Indiana Department of Transportation (INDOT)	J39	350 N Jackson St	1/4 - 1/2 mi E	Lower	SCP	Due to its distant proximity and relative elevation this property does not qualify as a REC.	N
Lilia Lima Auto Shop	J41	401 N Jackson St	1/4 - 1/2 mi ENE	Lower	LUST SCP	The LUST incident has been reported as affecting soil. The LUST is currently discontinued (active) and a low priority. Due to its distant proximity, the matrix affected by the LUST, and relative elevation, this property does not qualify as a REC.	N

Table 1
EDR Database Search Summary
Frankfort Roundhouse Property
Frankfort, Clinton County, Indiana

Property	EDR Map ID	Address	Approx. Distance (Miles) and Direction	Relative Elevation	Database	Summary of Information from EDR Report	REC (Y/N)
Irving Materials, Inc.	K42	Sr 28 W	1/4 - 1/2 mi ESE	Lower	LUST UST	The diesel fuel LUST incident has been reported as affecting soil. The LUST is currently discontinued (active) and a low priority. Due to its distant proximity, the matrix affected by the LUST, and relative elevation, this property does not qualify as a REC.	N
Egelhoff Chevrolet, Inc.	L43	300 E Washington St	1/4 - 1/2 mi E	Lower	LUST UST	The LUST incident has been reported as affecting soil and a low priority. The LUST is currently active. However, due to its distant proximity, the matrix affected by the LUST, and relative elevation, this property does not qualify as a REC.	N
Ingram Richardson Company	44	SR 28 W	1/4 - 1/2 mi W	Higher	CERCLIS CORRACTS FINDS MANIFEST RCRA-NonGen	The U.S. EPA completed on-site removal actions in 1990 and 1994. IDEM conducted follow up groundwater monitoring beneath the site after U.S. EPA's removal action and determined groundwater was not negatively impacted. In 2007, the U.S. EPA determined the property was "Ready for Commercial/Industrial Reuse". As a result, this property does not qualify as a REC.	
Frankfort Bulk Terminal	45	1009 Rossville Rd	1/4 - 1/2 mi N	Lower	SCP	Due to its distant proximity and relative elevation, this property does not qualify as a REC.	N
Keeney's Amoco	K46	201 S Jackson	1/4 - 1/2 mi ESE	Lower	LUST	The LUST incident has been reported as affecting both soil and groundwater. The LUST is currently active. However, due to its distant proximity and relative elevation, this property does not qualify as a REC.	N
Freeport Transport, Inc.	47	Prairie Ave	1/4 - 1/2 mi SW	Higher	LUST	The LUST incident has been reported as affecting soil. The LUST is currently discontinued (active). Due to its distant proximity and the matrix affected by the LUST this property does not qualify as a REC.	N

Table 1 **EDR Database Search Summary Frankfort Roundhouse Property** Frankfort, Clinton County, Indiana

Property	EDR Map ID	Address	Approx. Distance (Miles) and Direction	Relative Elevation	Database	Summary of Information from EDR Report	REC (Y/N)
Autozone	L48	356 E Washington St	1/4 - 1/2 mi E	Lower	SWRCY	The property is a recycler of used oil. Due to the distant proximity of this property and the non-threatening nature of its operations, this property does not qualify as a REC.	N
Brock Manufacturing	49	1750 W SR 28	1/2 - 1 mi W	Higher	AIRS CORRACTS FINDS MANIFEST RCRA-CESQG RCRA-TSDF	Hazardous waste disposed by the property have included ignitable waste, chromium waste, and spent halogenated solvent waste. The property has received violations relative to generation and storage of waste. However, no impacts to the environment have been reported. Due to its distant proximity, this property does not qualify as a REC.	N

Notes:

AIRS = Aerometric Information Retrieval System

AUL = Authorized User List

CERCLIS = Comprehensive Environmental Response, Compensation and Liability Information System NFA = No further

CESQG = Conditionally exempt small quantity generator

CORRACTS = RCRA Corrective Action Sites

E = East

EDR = Environmental Data Resources, Inc.

ENE = East-northeast

ESE = East-southeast

FINDS = Facility Index Systems

Gal = Gallon

ID = Identification

IDEM = Indiana Department of Environmental Management

LUST = Leaking underground storage tank

Mi = Miles

N = North

NNW = North-northwest

PAH = Polycyclic aromatic hydrocarbon

RCRA = Resource Conservation and Recovery Act

REC = Recognized environmental condition

S = South

SRP = Site Remediation Program

SW = Southwest

SSW = South-southwest

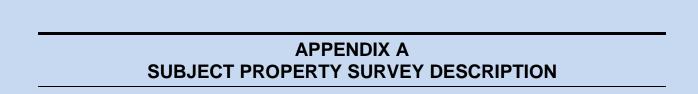
UST = Underground storage tank

U.S. EPA = United States Environmental Protection Agency

VOC = Volatile organic compound

W = West

WSW = West-southwest





SURVEYORS REPORT

The purpose of this survey is to subdivide three new parcels out of the real estate formerly occupied as the Nickel Plate Railroad as shown on the attached plat and described as follows:

TRACT "A"

"A part of the NW orall of Sec. 10, T21N, R1W, 2nd P. M., Center Township, Clinton County, more particularly described as follows:

From the NE corner of Lot Number 11 in Brooks and McCarty's $3^{\rm rd}$ Addition to the City of Frankfort, as the same is recorded in Plat Record 2 (new), page 82, marked by a cross cut in the walk, proceed thence N 40° 06' 33'' E (assumed bearings) a distance of 116.79 feet along the northwesterly right-of-way of McKinley Avenue to a railroad spike, thence N 0° 27′ 55″ E a distance of 25.25 feet to a railroad spike, thence N 89° 32' 05" W a distance of 197.00 feet to an iron bar, thence N 0° 21′ 58″ W a distance of 15.00 feet to the point of beginning, marked by an iron bar; thence (1) continue along said line a distance of 522.10 feet to an iron bar; thence (2) N 85° 01' 07" E a distance of 167.89 feet to an iron bar; thence (3) S 1° 02' 32" W a distance of 44.42 feet to an iron bar; thence (4) S 89° 45′ 13″ E a distance of 36.16 feet to an iron bar; thence (5) N 0° 14' 47" E a distance of 68.49 feet to an iron bar; thence (6) S 89° 47′ 31″ W a distance of 430.00 feet to an iron bar; thence (7) S 0° 31′ 14″ E a distance of 85.00 feet to an iron bar; thence (8) S 86° 30' 16" W a distance of 361.94 feet to an iron bar; thence (9) S 0° 17' 52" E a distance of 446.53 feet to an iron bar; thence (10) S 89° 28' 17" E a distance of 588.63 feet to the point of beginning, containing 6.8926 acres and being together with a 36 foot easement for the purpose of ingress and egress located on and along the west side of the above described parcel, more particularly described as follows:

From the NE corner of Lot Number 11 in Brooks and McCarty's 3rd Addition to the City of Frankfort, as the same is recorded in Plat Record 2 (new), page 82, marked by a cross cut in the walk, proceed thence N 40° 06′ 33″ E (assumed bearings) a distance of 116.79 feet along the northwesterly right-of-way of McKinley Avenue to a railroad spike, thence N 0° 27′ 55″ E a distance of 25.25 feet to a railroad spike, thence N 89° 32′ 05″ W a distance of 197.00 feet to an iron bar, thence N 0° 21′ 58″ W a distance of 15.00 feet to an iron bar, thence N 89° 28′ 17″ W a distance of 588.63 to the point of beginning, marked by an iron bar; thence (1) continue along said line a distance of 36.00 feet to an iron bar; thence (2) N 00° 17′ 52″ W a distance of 444.00 feet to an iron bar; thence (4) S 00° 17′ 52″ E a distance of 446.53 feet to the point of beginning, containing 0.3680 acres.″

TRACT "B"

"A part of the NW % of Sec. 10, T21N, R1W, 2nd P. M., Center Township, Clinton County, more particularly described as follows:

From the NE corner of Lot Number 11 in Brooks and McCarty's 3rd Addition to the City of Frankfort, as the same is recorded in Plat Record 2 (new), page 82, marked by a cross cut in the walk, proceed thence N 41° 25′ 11″ E (assumed bearings) a distance of 629.56 feet to the intersection of the northwesterly right-of-way of Conrail Railroad and the northeasterly right-of-way of Rossville Avenue, being the point of beginning, marked by an iron bar; thence (1) N 29° 18′ 48″ E a distance of 230.94 feet along said railroad rightof-way to an iron bar; thence (2) continue along said right-of-way N 25° 05' 58" E a distance of 29.96 feet to an iron bar; thence (3) S 89° 35′ 49″ W a distance of 89.52 feet to an iron bar; thence (4) S 87° 48′ 44″ W a distance of 195.36 feet to an iron bar; thence (5) S 89° 41′ 30″ W a distance of 53.63 feet to said Rossville Avenue right-of-way, marked by an iron bar; thence (6) S 44° 00′ 05" E a distance of 306.02 feet along said road right-of-way to the point of beginning, containing 0.8834 acres."

TRACT "C"

"A part of the NW $\frac{1}{2}$ of Sec. 10, T21N, R1W, 2nd P. M., Center Township, Clinton County, more particularly described as follows:

From the NE corner of Lot Number 11 in Brooks and McCarty's 3rd Addition to the City of Frankfort, as the same is recorded in Plat Record 2 (new), page 82, marked by a cross cut in the walk, proceed thence N 40° 06' 33" E (assumed bearings) a distance of 116.79 feet along the northwesterly right-of-way of McKinley Avenue to a railroad spike, thence N 0° 27′ 55″ E a distance of 25.25 feet to a railroad spike, thence N 89° 32' 05" W a distance of 197.00 feet to an iron bar, thence N 0° 21' 58" W a distance of 15.00 feet to an iron bar; thence N 89° 28' 17" W a distance of 588.63 feet to the point of beginning of this description, marked by an iron bar; thence (1) continue along said line a distance of 460.90 feet to the east right-of-way of Short Myrtle Avenue, marked by an iron bar; thence (2) N 00° 35′ 59″ E a distance of 336.79 feet along said right-of-way to an iron bar; thence (3) N 89° 20' 09" E a distance of 455.59 feet to an iron bar; thence (4) \$ 00° 17′ 52" E a distance of 346.30 feet to the point of beginning, containing 3.5927 acres and being subject to a 36-foot easement for the purpose of ingress and egress located along the east side of said parcel, more particularly described as follows:

From the NE corner of Lot Number 11 in Brooks and McCarty's 3rd Addition to the City of Frankfort, as the same is recorded in Plat Record 2 (new), page 82, marked by a cross cut in the walk, proceed thence N 40° 06′ 33″ E (assumed bearings) a distance of 116.79 feet along the northwesterly right-of-way of McKinley Avenue to a railroad spike, thence N 0° 27′ 55″ E a distance of 25.25 feet to a railroad spike, thence N 89° 32′ 05″ W a distance of 197.00 feet to an iron bar, thence N 89° 28′ 17″ W a distance of 15.00 feet to an iron bar, thence N 89° 28′ 17″ W a distance of 588.63 to the point of beginning, marked by an iron bar; thence (1) continue along said line a distance of 36.00 feet to an iron bar; thence (2) N 00° 17′ 52″ W a distance of 444.00 feet to an iron bar; thence (3) N 86° 30′ 16″ E a distance of 36.06 feet to an iron bar; thence (4) s 00° 17′ 52″ E a distance of 446.53 feet to the point of beginning, containing 0.3680 acres.″

Bearings that were used were calculated from the northwesterly right-of-way of McKinley Avenue being an assumed N 40° 06′ 33″ E bearing as used in a previous survey dated July 15, 1980, as performed by Franklin C. Moses, as the same is recorded in Surveyor's Record 5, pages 664, 665 and 666 as a reference survey.

The above described tract currently contains the existing railroad roundhouse building improvements with the division line being measured along the boundary lines as shown to me by the owner.

Courses Numbered (1), (2) and (3) of Tract "A" were measured along the same lines as used in a previous survey dated April 18, 2002 as performed by myself.

The current road and railroad rights-of-way were measured along the other lines to determine the boundary lines.

It is my opinion, as a result of these observations, and those in the previous surveys, that the uncertainty in location in the lines and corners of the above described tract are as follows:

- 1) No discrepancies in record dimensions were measured.
- 2) No variances from monuments were found.
- 3) No inconsistencies in lines of occupation were discovered.

The theoretical uncertainty (due to random errors in measurements) in the corners of the above described tract is within the specifications for a Class B Survey.

The above and attached plat, to the best of my knowledge, information and belief, has been performed in accordance with the Indiana Survey Standards Law, Title 865 in Indiana Administrative Code 1-12.

Date: May 9, 2008 Revised: July 12, 2008

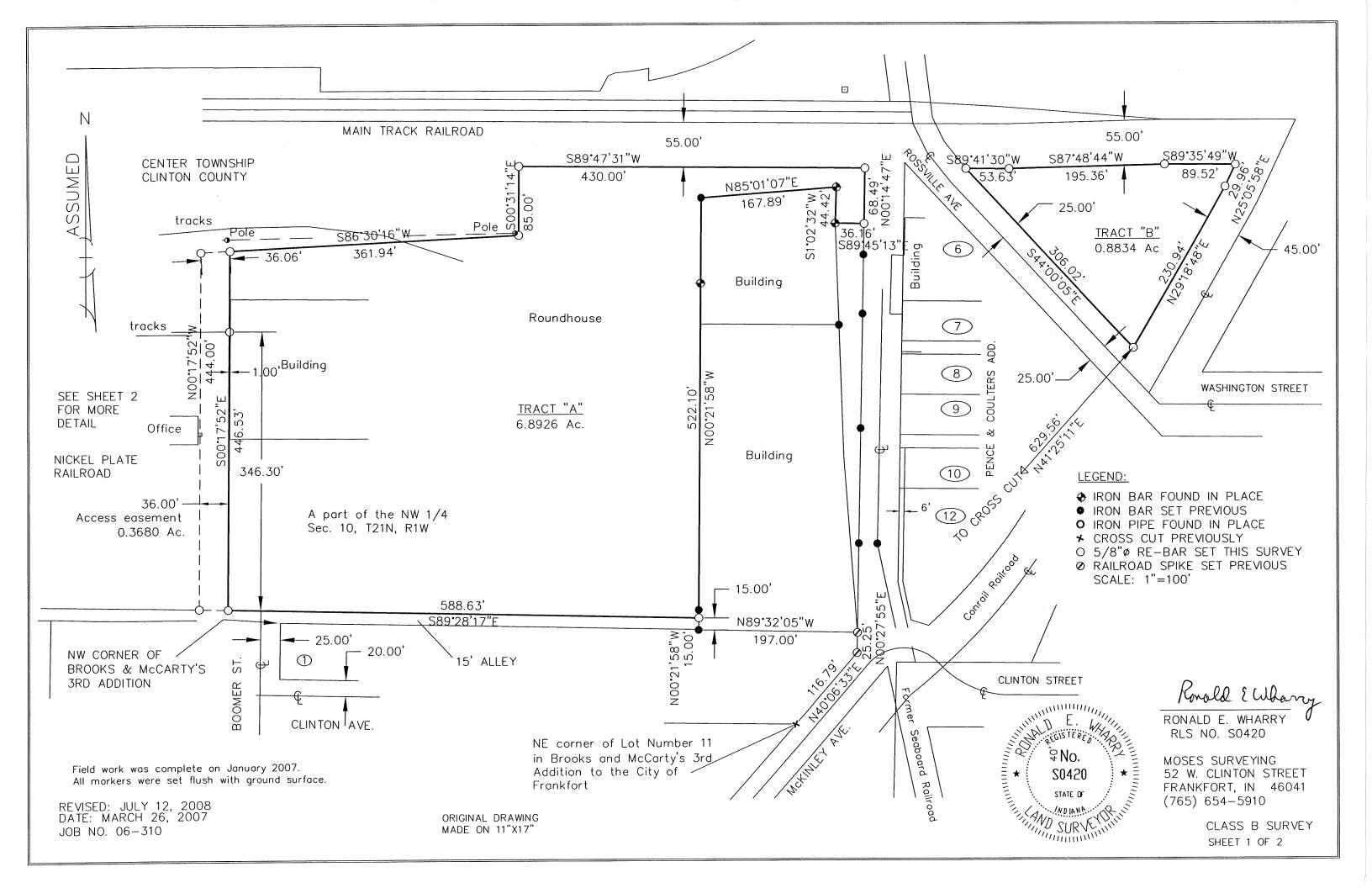
Job No. 06-310

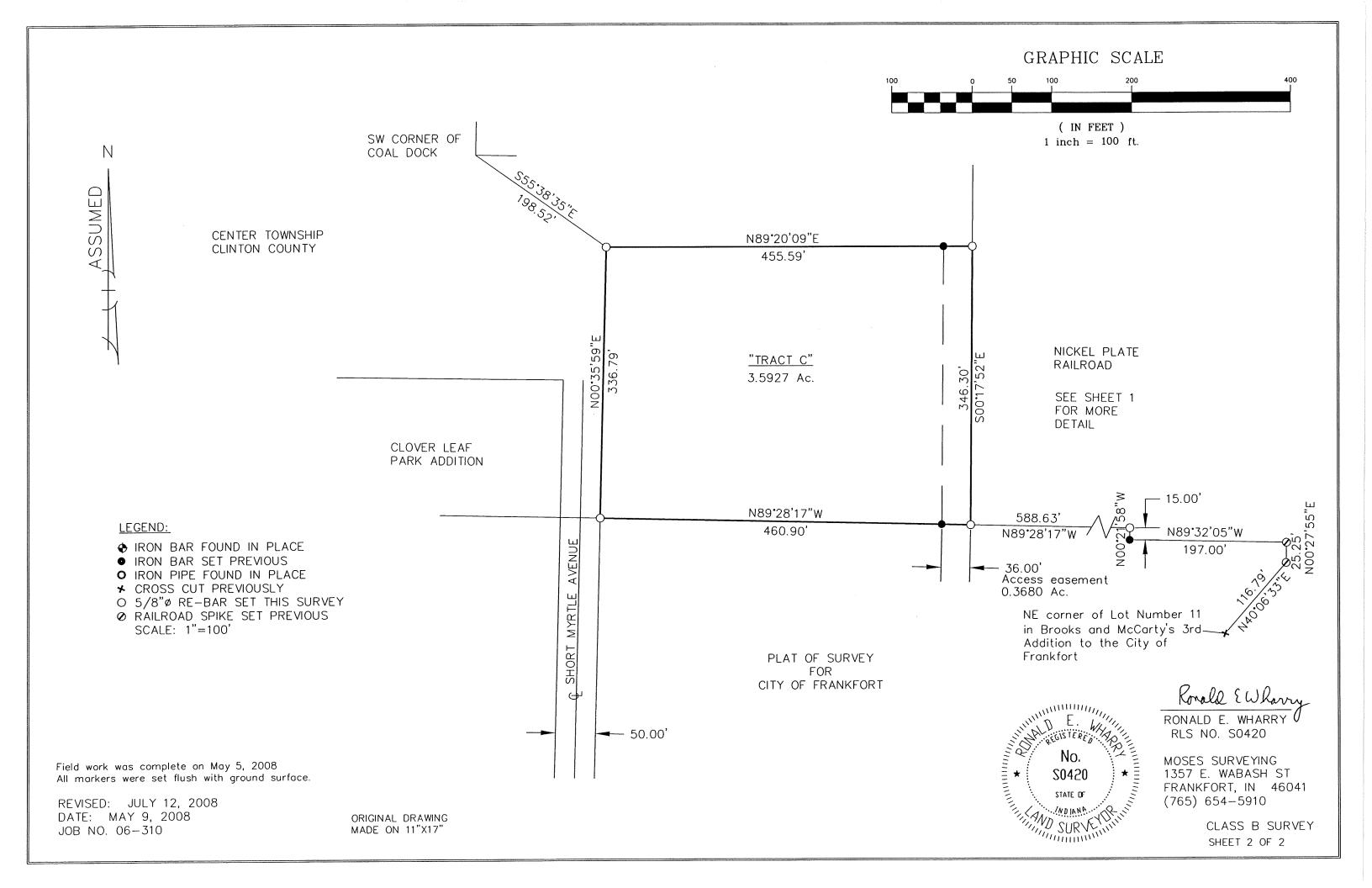
Ronald E. Wharry ()
Registered Land Surveyor
State of Indiana No. 50420

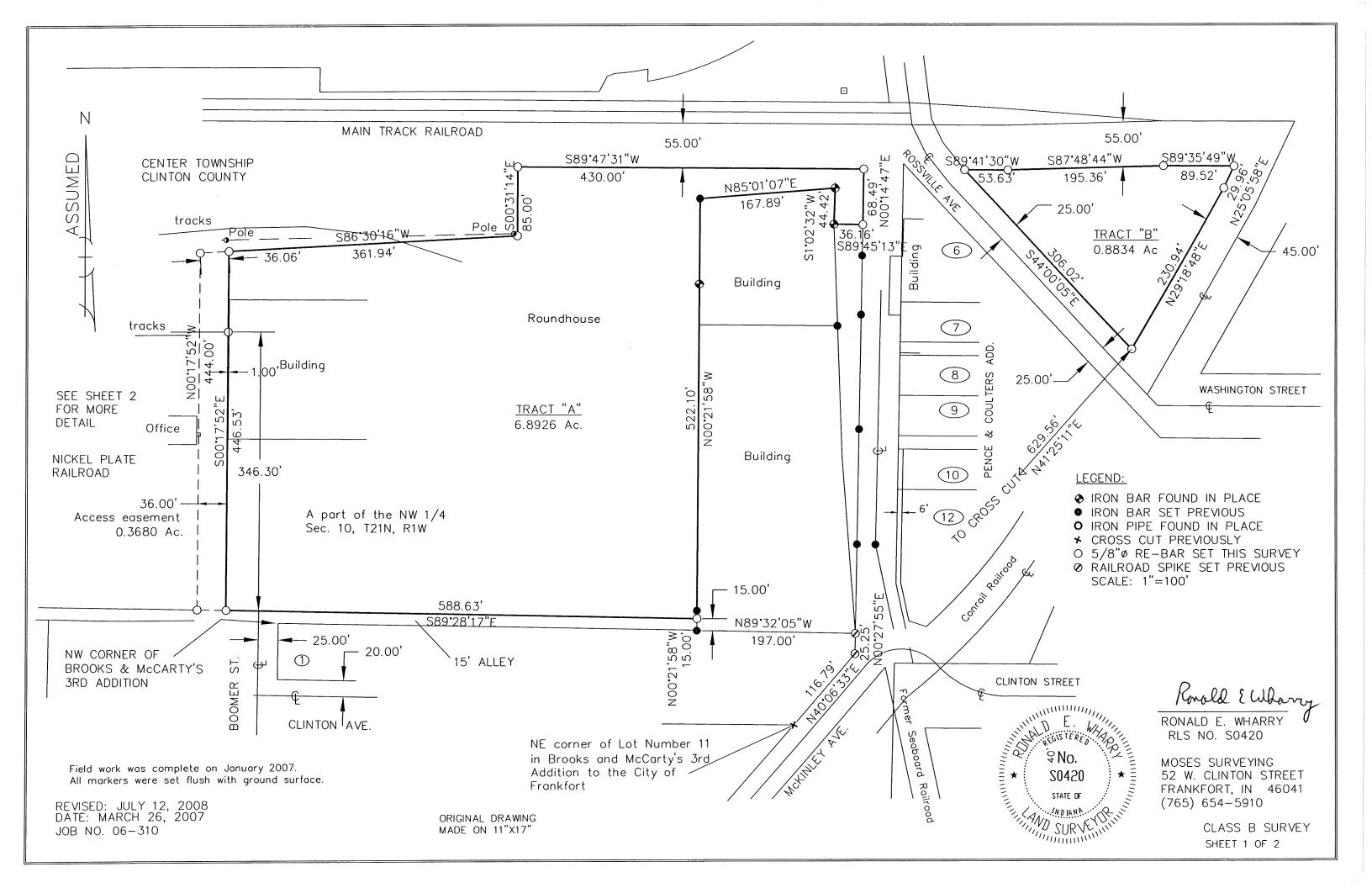
Rorald & Whom

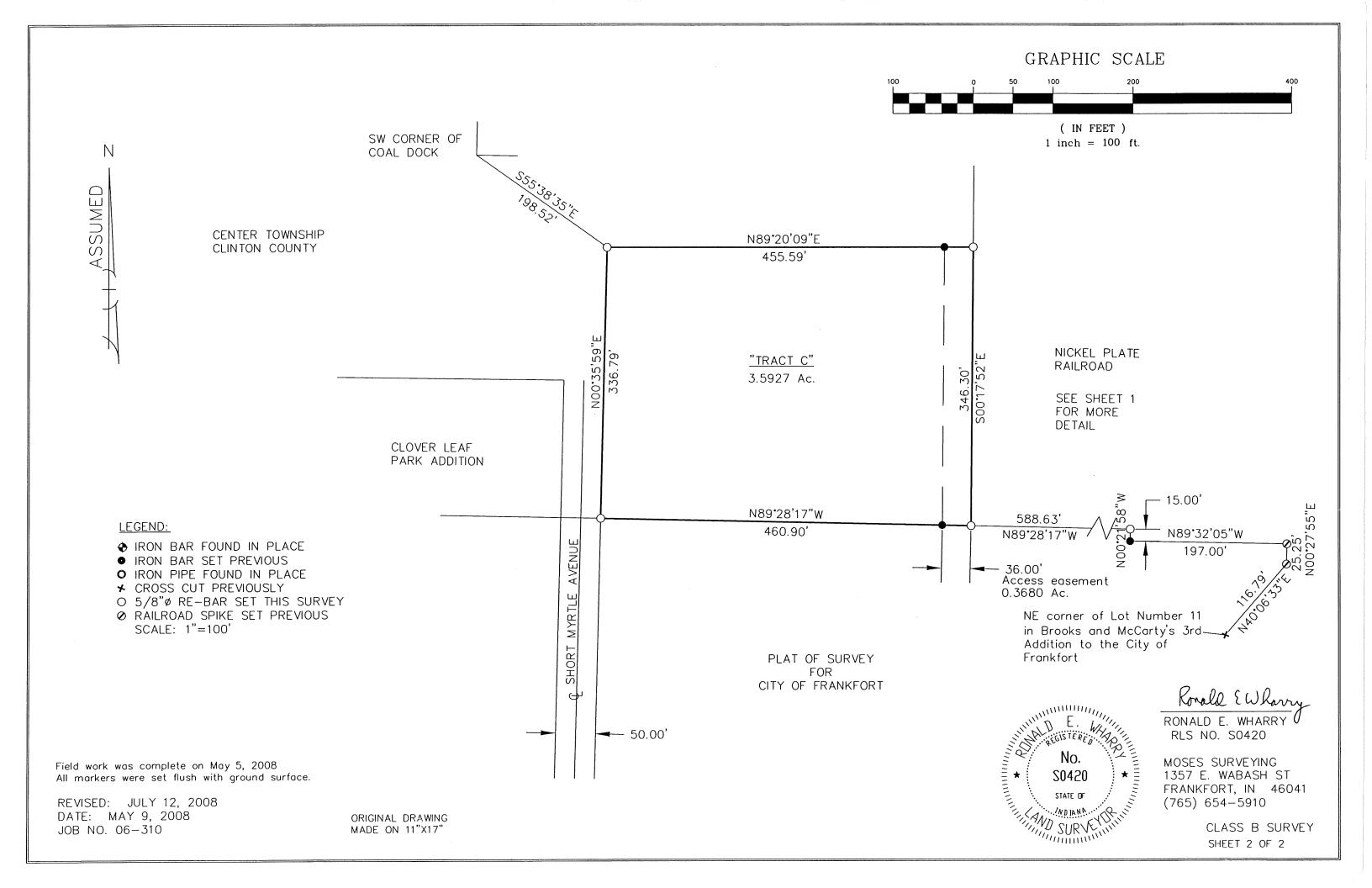
NO. SURVENIENT NO SURVENIENT N

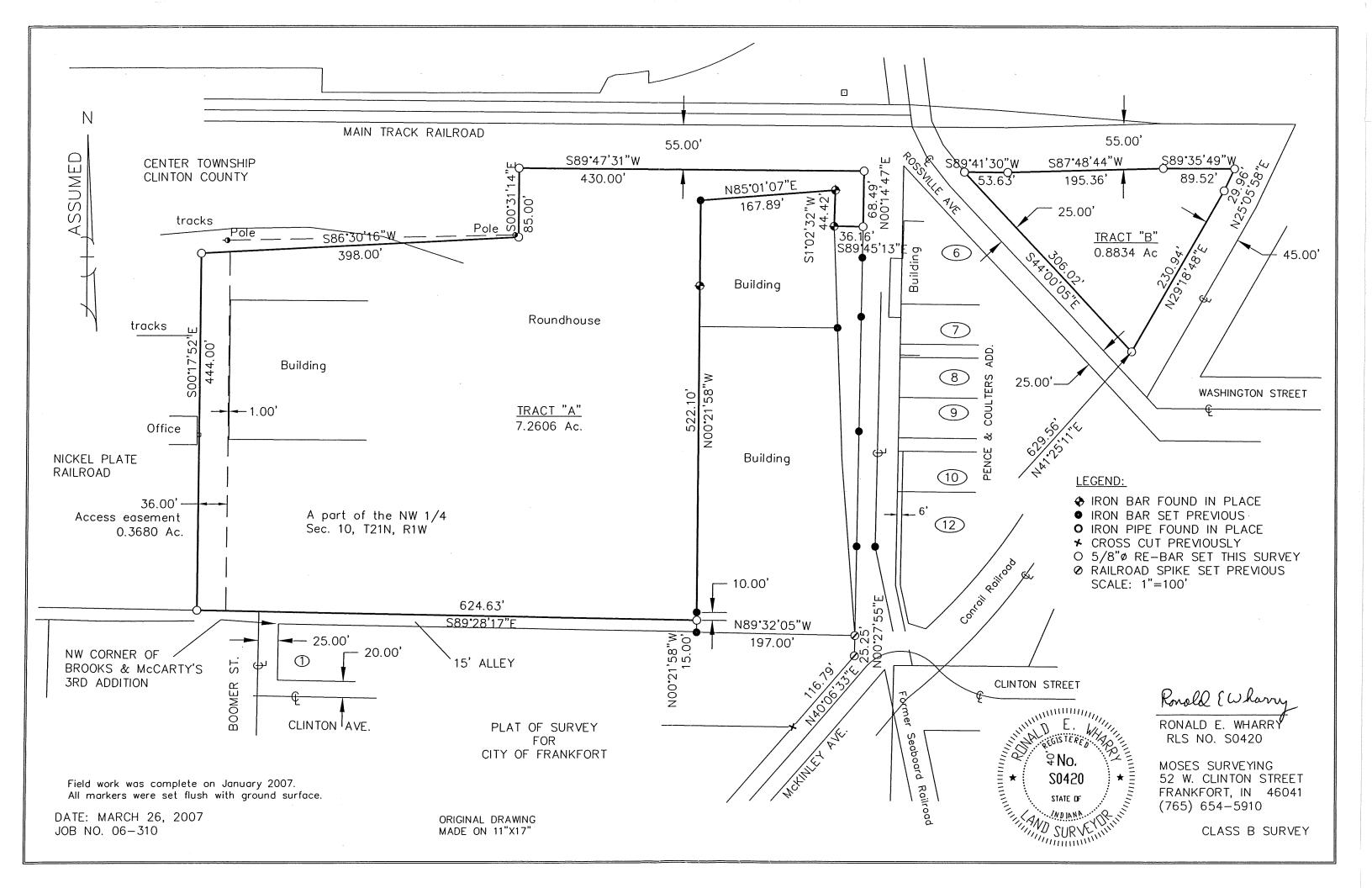
"I affirm, under the penalties for perjury, that I have taken reasonable care to redact each Social Security number in this document, unless required by law. Ronald E. Wharry."











APPENDIX B ELIGIBILITY DETERMINATION FOR TARGETED BROWNFIELDS ASSESSMENT LETTER

Eligibility determination for Targeted Brownfield Assessments with U.S. EPA-lead -documentation to be completed by EPA

Section 1 - Property description

1. Provide the property name, aliases or historic names:

Frankfort Roundhouse

2. Provide the street address of the property:

State Road 28 and Boomer Street, Frankfort IN. 46041

- 3. Provide the property latitude and longitude (Degrees/Minutes/Seconds) if known:
- 4. Define the size of the property to be assessed in acres:

Approximately 12 acres.

- 5. A plat map (or an aerial photograph) clearly delineating the property or portion of the property to be assessed would be helpful.
- 6. Describe any potential pollutants, contaminants or hazardous substances at the property, including petroleum, asbestos, mine wastes and/or meth lab residuals (identify source of information), whether in the air, land, surface water or groundwater. Include information about the source or potential source of such potential pollutants, contaminants or hazardous substances.

This is an old rail yard serving center.

7. Describe any potential pollutants, contaminants or hazardous substance adjacent to or otherwise in close proximity to the property, including petroleum, asbestos, mine wastes and/or meth lab residuals (identify source of information), whether in the air, land, surface water or groundwater. Include information about the source or potential source of such potential pollutants, contaminants or hazardous substances.

Not Available

Section 2 - Applicant Eligibility

8. Did the applicant take title to the property before Jan 11, 2002.

	No							
	Date of Purc	chase	_NA	·				
9.	At the time the applicant acquired title to the property, did the applicant conductant investigation into the potential presence of pollutants, contaminants or hazardous substances at or near the property? If so, identify what investigations were conducted and the dates such investigations were made.							
	Do not have	title to property.						
10.	Since acquiring title to the property, has the applicant taken measures to ensure that potential pollutants, contaminants and hazardous substances are not released from the property or present a threat to human health or the environment? Explain: Not applicable							
11.	Is the applicant affiliated or related in any way (e.g. family, contract, corporate of financial arrangement, etc.) with any former owner or operator of the property, of with any person who may have generated hazardous substances located at or near the property, or with any person who may have transported or arranged for the transportation of hazardous substances located at or near the property?							
	X No							
	Yes. Expl	ain the affiliatior	n or relationship:					
12.	Small Busine	ess Liability Relie	definition of "Brownfields ef and Brownfields Revit 107-118 (H.R. 2869))?	" as contained in federal alization Act (Section				
X	Yes		ty whose reuse has bee ontamination.	n complicated by real or				
	_Yes	industrial/co	y is an active, but under ommercial property. Esti rrently utilized:	utilized mate the percentage of the				
	_No	This Site is	not eligible					
	Does the app assessed?	olicant have or ca	an it obtain access to 10	0% of the property to be				
	_Yes	Applicant owns	or controls property.					

Yes	Pı	roperty is an orphan property.
Yes	Ad	ccess agreement is in place with current owner(s).
No		orking on access agreement with current owner(s) and preement will be signedYes
No	Pi	roject is ineligible if access to site cannot be obtained.
		icant received in the past, or is it currently receiving, federal assessment resources for this property?
No n	ot at thi	s time
	usiness	A is being requested rather than pursuing funding through the Liability Relief and Brownfields Revitalization Act. Title II,
Applied		Already applied for but not currently receiving funding. Work cannot begin until the funding application has been denied or withdrawn. If funding is received, the project may not be eligble for Targeted Brownfields Assessment funds.
Receivi	ng	If applicant is currently using federal funds for this site, work may not be eligible if it exceeds the 200K cap.
Past Fu	ınding	If yes, list the amount and activities for which the funds were used:
XNo		
Section 3 - I	Project	details
15. Does thi	s site h	ave an end use?
X Yes	Explai	n: Community Center & more
X Yes	es A developer is interested, but no final end users confirmed.	
Yes		end user or developer contributing to the cost of assessment remediation? Explain:
X Yes	Projec	et is included in community's master land use plan.

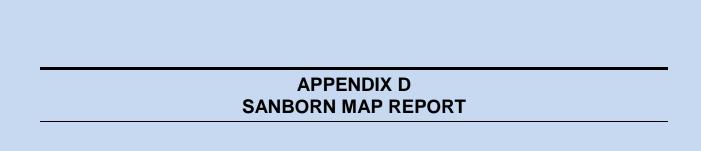
X Yes Site specific plan is in place or being evaluated.
16. Specify the proposed future use of the property (Check all that apply):
X Recreational/Residential (includes greenspace).
_X Commercial.
Industrial.
Explain (include estimate of remediation/redevelopment cost if available):
17. Work requested includes:
_X Initial field screening to assess redevelopment options.
Explain: Phase 1
X Extensive assessment work.
Explain: Phase 2
19. Have resources been expended on assessment at this property, including federal/state/state funds including grants and loans?
Yes provide the name(s) and amount of the funds used :
X No Explain (if needed): We have received a grant for a feasibility study. Through the Office of Community & Rural Affairs (OCRA)
20. Is there a specified timeline in which site assessment activities need to be performed?
No
_X Yes If yes, define timeline/deadlines for the project (if applicable, please include grant application deadlines, timelines for redevelopment, etc. below:

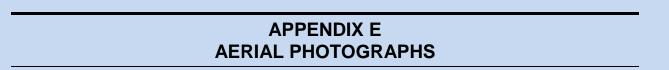
We have a five year timeline beginning January 2011 to begin development at site.

Site is e	ligible	_Yes	_No
Date of	U.S. EPA cor	ncurrence	

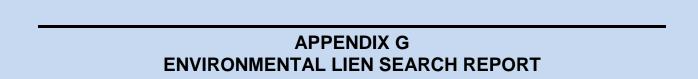
TBA Request Form/Mar2004

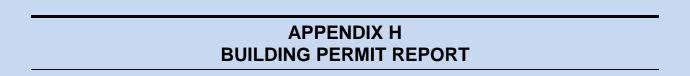


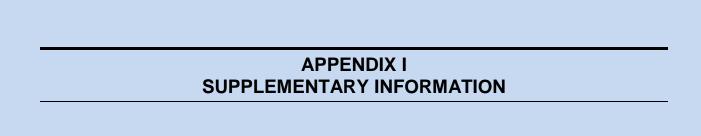


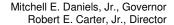


APPENDIX F TOPOGRAPHIC MAPS











Division of Nature Preserves 402 W. Washington St., Rm W267 Indianapolis, IN 46204-2739

January 6, 2012

Mr. David Sena Weston Solutions, Inc. 20 N. Wacker, Suite 1210 Chicago, IL 60606

Dear Mr. Sena:

I am responding to your request for information on the endangered, threatened, or rare (ETR) species, high quality natural communities, and natural areas documented from a project area, SR 28 and Boomer Street, Frankfort, Indiana. The Indiana Natural Heritage Data Center has been checked and there are no ETR species and significant areas documented within 0.5 mile of the project area.

The information I am providing does not preclude the requirement for further consultation with the U.S. Fish and Wildlife Service as required under Section 7 of the Endangered Species Act of 1973. If you have concerns about potential Endangered Species Act issues you should contact the Service at their Bloomington, Indiana office.

U.S. Fish and Wildlife Service 620 South Walker St. Bloomington, Indiana 47403-2121 812)334-4261

At some point, you may need to contact the Department of Natural Resources' Environmental Review Coordinator so that other divisions within the department have the opportunity to review your proposal. For more information, please contact:

Department of Natural Resources attn: Christie Stanifer Environmental Coordinator Division of Fish and Wildlife 402 W. Washington Street, Room W273 Indianapolis, IN 46204 (317)232-4080 Please note that the Indiana Natural Heritage Data Center relies on the observations of many individuals for our data. In most cases, the information is not the result of comprehensive field surveys conducted at particular sites. Therefore, our statement that there are no documented significant natural features at a site should not be interpreted to mean that the site does not support special plants or animals.

Due to the dynamic nature and sensitivity of the data, this information should not be used for any project other than that for which it was originally intended. It may be necessary for you to request updated material from us in order to base your planning decisions on the most current information.

Thank you for contacting the Indiana Natural Heritage Data Center. You may reach me at (317)232-8059 you have any questions or need additional information.

Sincerely,

Ronald P. Hellmich

Ronald P. Hellmich

Indiana Natural Heritage Data Center

Enclosure: invoice

James L. Greeson, Indiana State Fire Marshal





January 17, 2012

Weston Solutions, Inc. 20 North Wacker Drive Suite 1210 Chicago, Il 60606

RE: Open Records Request-State of Indiana for:
All Appropriate Inquires Request

To Whom It May Concern:

The Division of Fire and Building Safety of the Indiana Department of Homeland Security has done a records search and does not have any records with respect to the following site:

SR 28 and Boomer Street/ 1601 W Ohio Street Frankfort, IN 46041

Please feel free to email or call me should you have any questions at cclouse@dhs.in.gov or 317-232-1407 respectively.

Sincerely,

Christine Clouse

Shristine Clouse

Cc: je, gb

Sena, David

From: dsanders@clintonco.com

Sent: Friday, January 13, 2012 6:41 AM

To: Sena, David

Subject: RE: Clinton County FOIA Request

Follow Up Flag: Follow up Flag Status: Flagged

Clinton County EMA has no information on this location that concern public safety.

From: Sena, David [mailto:David.Sena@WestonSolutions.com]

Sent: Thursday, January 12, 2012 2:42 PM

To: dsanders@clintonco.com

Subject: Clinton County FOIA Request

Dear Mr. Sanders,

Attached is a request for information for the property located at State Road 28 and Boomer Street, Frankfort, Indiana 46041.

Thank you for your time,

David Sena

Dave Sena Assistant Project Scientist Weston Solutions, Inc. Cell: (574) 261-5413 Office: (312) 424-3328

CONFIDENTIALITY: This email and attachments may contain information which is confidential and proprietary. Disclosure or use of any such confidential or proprietary information without the written permission of Weston Solutions, Inc. is strictly prohibited. If you received this email in error, please notify the sender by return e-mail and delete this email from your system. Thank you.

02/07/12 11:46

FIRE Incident Table:

304 Page: 1

Incident Number: 11F-1307 Nature: Structure Fire

Addr= N MONON ST & ROSSVILLE AVE Area: 1 City: Frankfort ST: IN Zip: 46041 Contact:

Complainant& 3376

Lst: Moore Fst: Danny Mid: M DOB: 05/16/69 SSN: 307-88-5662 Adr= 1383 S ALHAMBRA AVE

Rac: W Sx: M Tel: (765)242-9080 Cty: Frankfort ST: IN Zip: 46041

Condition Codes: FIST Reported: FIST Observed:

Circumstances:

Rspndg Officers: Engine 1 Engine 2 Engine 3 Rspnsbl Officer: Rescue 1 Agency: FFD

Received By: T Shoemaker

How Received: 9 911 Line CAD Call ID: 11090404C
When Reported: 19:57:30 09/05/11 Last RadLog: 23:54:49 09/05/11 CMPLT
Courrd between: 19:57:30 09/05/11
Disposition: ACT Disp Date: 09/05/11 Occurrd between: 19:57:30 09/05/11

and: 19:57:30 09/05/11 Misc Entry:

MO:

Narrative: (See below) Supplement: (See below)

INVOLVEMENTS:

Type Record # Date Description Relationship 3376 Moore, Danny M NM 09/05/11 *Complainant 11090404C 09/05/11 19:57 09/05/11 Structure Fire *Initiating Call CA

FIRE Conditions Detail:

Fire Condition Codes

Seq Code

1 FIST Fire (Structure)

FIRE Incident Responder Detail

Responding Officers Seq Name Unit 1 Engine 1 E1 2 Engine 2 E2 3 Engine 3 E3 4 Ladder 1 L15 Rescue 1 R1 6 Investigator 1 I1

Main Radio Log Table:

Time/Date Typ Unit Code Zone Agnc Description f 23:54:49 09/05/11 II CMPLT ENG1 FFD incid#=11F-1307 Completed call CMPLT ENG1 FFD incid#=11F-1307 Completed call 23:51:47 09/05/11 f

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Narrative:

Responded to a report of a fire at the Roundhouse, upon our arrival there was heavy black smoke coming from the mid northern part of the structure, entry was made from a north entrance section of the structure. The fire was located and identified as an one of two abandoned offices. The North office was totally involved.

The Roof of the larger structure was totally open in the area of the office fire, so the smoke, flames, and embers were exiting the larger structure.

A 2-way hydrant was located very near the larger structure and that hydrant was used, and one 1-3/4 attack line was laid, as the fire was quickly brought under control.

Foam was also used to insure fire suppression.

APPENDIX J PHOTOGRAPHS



Photograph No.: 1 Date: 3/22/2012

Direction: East **Photographer:** Krista Richardson

Subject: West wall of the coach shop and yard office from left to right



Site: Frankfort Roundhouse Site

Photograph No.: 2 Date: 3/22/2012

Direction: South **Photographer:** Krista Richardson

Subject: North wall of the yard office on Tract C of the Subject Property



Photograph No.: 3 **Direction:** East

Subject: West side of the coach shop

Date: 3/22/2012

Photographer: Krista Richardson



Site: Frankfort Roundhouse Site

Photograph No.: 4 **Direction:** North

Subject: South side of the machine shop

Date: 3/22/2012

Photographer: Krista Richardson



Photograph No.: 5 Date: 3/22/2012

Direction: East **Photographer:** Krista Richardson **Subject:** South region of Tract A; south wall of the roundhouse, outbuilding #3,

outbuilding #2, and outbuilding #1 from left to right.



Site: Frankfort Roundhouse Site

Photograph No.: 6 **Direction:** Northwest

Subject: Front of outbuilding # 1

Date: 3/22/2012

Photographer: Krista Richardson



Photograph No.: 7 Date: 3/22/2012

Direction: North **Photographer:** Krista Richardson

Subject: South wall of outbuilding # 2



Site: Frankfort Roundhouse Site

Photograph No.: 8 Date: 3/22/2012

Direction: Northwest **Photographer:** Krista Richardson **Subject:** East wall of the roundhouse and backfilled former roundhouse stalls



Photograph No.: 9 Date: 3/22/2012

Direction: West **Photographer:** Krista Richardson

Subject: Northern portion of the turntable



Site: Frankfort Roundhouse Site

Photograph No.: 10 Direction: North

Subject: Interior of the machine shop

Date: 3/22/2012

Photographer: Krista Richardson



Photograph No.: 11

Direction: South

Subject: Interior of the roundhouse

Date: 3/22/2012

Photographer: Krista Richardson



Site: Frankfort Roundhouse Site

Photograph No.: 12 Direction: Down

Subject: Floor tile inside the yard office

Date: 3/22/2012

Photographer: Krista Richardson



Photograph No.: 13 Date: 3/22/2012

Direction: Down **Photographer:** Krista Richardson

Subject: Paint cans and other solid waste on the floor of outbuilding #2



Site: Frankfort Roundhouse Site

Photograph No.: 14 Date: 3/22/2012

Direction: West **Photographer:** Krista Richardson

Subject: Aboveground tank infrastructure in the northeast of Tract A



Photograph No.: 15 Date: 3/22/2012

Direction: South **Photographer:** Krista Richardson

Subject: Concrete pad in the location of the former water treatment plant in the

southwest region of Tract A



Site: Frankfort Roundhouse Site

Photograph No.: 16 Date: 3/22/2012

Direction: Down **Photographer:** Krista Richardson

Subject: Stained soil in the northeast region of Tract A



Photograph No.: 17 Date: 3/22/2012

Direction: East **Photographer:** Krista Richardson **Subject:** Vacant lot in the location of the Former Indiana Brass facility east of Tract A



Site: Frankfort Roundhouse Site

Photograph No.: 18 Date: 3/22/2012

Direction: South **Photographer:** Krista Richardson

Subject: Commercial property adjacent to Tract C to the south



Photograph No.: 19 Direction: East

Subject: North region of Tract B

Date: 3/22/2012

Photographer: Krista Richardson



Site: Frankfort Roundhouse Site

Photograph No.: 20 **Direction:** Southeast

Subject: Central region of Tract B

Date: 3/22/2012

Photographer: Krista Richardson



Photograph No.: 21 Date: 3/22/2012

Direction: Northwest **Photographer:** Krista Richardson **Subject:** Neighboring NSRC railyard



Site: Frankfort Roundhouse Site

Photograph No.: 22 Date: 3/22/2012

Direction: North **Photographer:** Krista Richardson

Subject: Former air tank adjacent to coach shop



Photograph No.: 23 Date: 3/22/2012

Direction: North **Photographer:** Krista Richardson

Subject: 55-gallon steel drum inside outbuilding #1



Site: Frankfort Roundhouse Site

Photograph No.: 24 Date: 3/22/2012

Direction: East **Photographer:** Krista Richardson **Subject:** Concrete pad that potentially formerly held an AST on the west side of the

outbuilding #3



Photograph No.: 25 **Date:** 3/22/2012

Direction: Northeast **Photographer:** Krista Richardson

Subject: Debris and peeling paint inside outbuilding #3



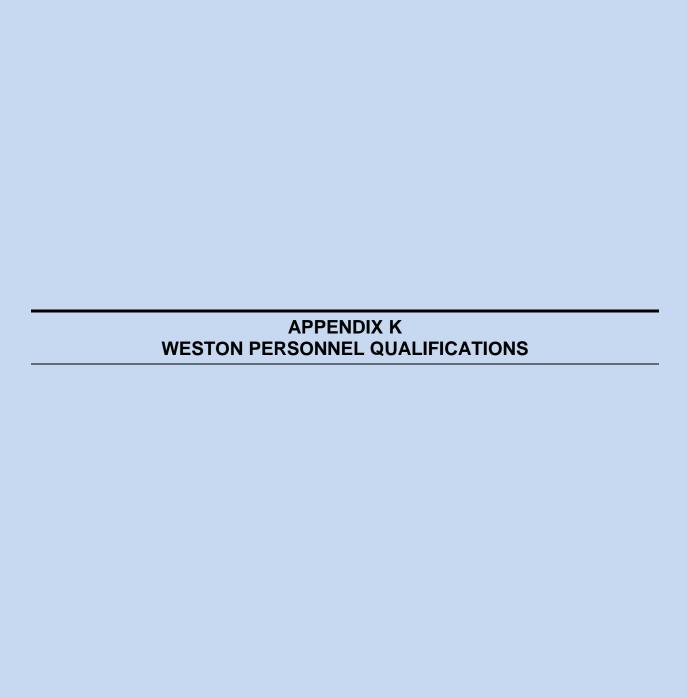
Site: Frankfort Roundhouse Site

Photograph No.: 26

Direction: Down **Photographer:** Krista Richardson

Date: 3/22/2012

Subject: Debris inside outbuilding #3



PROFESSIONAL PROFILE

Qualifications Summary

- More than 14 years of professional experience in environmental consulting
- Extensive experience with environmental, health, and safety compliance and management system auditing for various clients and industries.
- Three years of experience creating/maintaining relational database programs including testing software programs and training.
- Experience in site investigations, EPA Superfund programs, health/ safety oversight, contractor oversight. Technical inspection/monitoring for industry/public/ governmental clients.
- As Regional Safety Officer, implement corporate health/safety programs, conduct safety inspections; review/ comment/approve site HASPs; provide training; administer medical monitoring program; implement respirator program.
- Indoor air quality investigations in office/industrial environments, including distribution/evaluation of questionnaires, examination and assessment of ventilation systems, sampling for common indoor air contaminants including bioaersols. formaldehyde, respirable particulate, CO, CO2, and VOCs. Reporting and interpretation of results with appropriate recommendations.
- Asbestos inspections and management: federal, industrial, residential, and AHERA building inspections; preparation of AHERA management plans; development of operations and maintenance programs; cost monitoring, air monitoring, and technical oversight of contractors; training program implementation; sample collection for federal, state, local, private, industrial, and AHERA surveys; and preparation of technical reports and bid proposals.
- Conduct emergency response investigations/site characterizations; experience working in all levels of protection; develop/implement cleanup strategies/sampling plans; cost monitoring/cost estimating; technical oversight of contractors; develop/implement site safety
- Conduct air emissions inventory to determine major source status for industrial facilities. Prepare Title V permits if applicable.

KATHLEEN M. MOONEY

Registration

Accredited AHERA Building Inspector, U.S. Environmental Protection Agency – Certified in the State of Michigan Accredited AHERA Management Planner, U.S. Environmental Protection Agency (No. 1023-I, 1992; 1024-MP, 1992)

Education

M.S., Environmental Science—University of New Haven (1995) B.S., Biology—Michigan State University (1987)

Credentials

NIOSH 582 Fiber Counting Certified, Testing Engineers and Consultants (1989)

ENSYS Field Method Certification Training including EPA SW-846 Immunoassay Analytical Methods 4010, 4020, 4030, and 4035 (1993)

40-Hour OSHA Hazardous Waste Site Health and Safety Training, OSHA 29 CFR 1910.120(e)(3), WESTON (1989) Site Health and Safety Coordinator Course, OSHA 29 CFR 1910.120(e)(4), WESTON (1990)

8-Hour Hazardous Waste Refresher Course, OSHA 29 CFR 1910.120(e)(8), WESTON (1999)

Weston Solutions, Inc., Manual of Procedures for Shipping and Transporting Dangerous Goods Training Course, 49 CFR 172 Subpart H, WESTON (1998)

Connecticut Groundwater Association National Association of Environmental Professionals

Employment History

1989-Present WESTON [10-89 to Present; OMI] 1988-1989 **Testing Engineers and Consultants** 1985-1988 Office of Radiation, Chemical and Biological Safety, Michigan State University

Key Projects

Environmental Site Assessment (ESA), U.S. Postal Service (USPS), Project Manager. Conducted environmental site assessment reviews according to the National Environmental Policy Act (NEPA) requirements for proposed new construction for USPS. Evaluated potential impacts to the community, natural resources, and the economy. Conducted flora and fauna classification, and endangered species habitat identification. Identified possible

locations for USPS development that did not result in significant impacts to the environment.

Environmental, Health, and Safety Auditing, Confidential Client, Project Manager. Developed environmental, health, and safety (EHS) audit protocols for federal, state, and local regulations for client facilities located in seven states, Europe, and South America. Conducted audits at each of the facilities utilizing the protocols developed. Prepared and submitted final audit reports.

Health and Safety Services, City of Detroit Water and Sewerage Department (DWSD), Project Manager. Managed a 2-year contract to provide health and safety services to the City of Detroit Water and Sewerage Department. The contract included conducting physical audits and preparing written audit reports for 48 DWSD facilities; providing updates on emerging health and safety regulations that apply to the DWSD; conducting an evaluation of the DWSD health and safety management system; review of various DWSD health and safety programs, and providing recommendations for updating or revising programs; and evaluating DWSD training programs and providing recommendations for improvement of the program. Provided support for closure of audit findings, and provided electrical safety training for over 500 DWSD employees.

Project Management Services, Michigan Department of Environmental Quality (MDEQ), Universal Vice and Tool, Jackson, MI, Project Manager. Managed professional service contractor (PSC) to conduct an investigation of groundwater and subsurface soils contaminated with chlorinated solvents and to develop bid specifications for remediation of soils and groundwater with contamination above CSAT criteria.

Project Management Services, MDEQ, Pittsburgh Forge, Jackson, MI, Project Manager.Managed PSC to conduct investigation of industrial building and abate the hazards prior to demolition. The PSC also prepared bid specifications for the demolition of an industrial building. Procured trade contractor services for demolition of the building and abatement of all hazards in the building.

Project Management Services, MDEQ, Jackson Drop Forge, Jackson, MI, Project Manager. Managed PSC to conduct investigation of soils and groundwater at an industrial site to confirm that previously conducted cleanup operations were acceptable.

Asbestos Survey, Sample Collection, Alcoa Fujikura Limited (AFL)-Automotive Division, Allen Park, MI, Project Manager. Conducted asbestos survey and sample collection at three AFL buildings in Allen Park and Dearborn, MI. In addition, collected first flush drinking water samples from all drinking water sources in two AFL buildings in Allen Park and Dearborn.

Indoor Air Quality Sampling, Lansing, MI, Confidential Client, Project Manager. Conducted indoor air quality investigations due to reports of irritation in office environment. Samples were analyzed for volatile organic compounds (VOCs), polycyclic aromatic hydrocarbons (PAHs), and particulates using U.S. Environmental Protection Agency (EPA) TO methods for low concentrations. Interpretation and reporting of results included appropriate recommendations.

Environmental Quality Assurance (QA) Reviews, Several USPS Facilities in the Greater Michigan Service Area, Grand Rapids, MI, Auditor. Conducted environmental QA reviews for Processing and Distribution Centers (P&DCs) and Vehicle Maintenance Facilities (VMFs)

throughout the greater Michigan Service Area for USPS. Reviewed compliance for 16 environmental programs in accordance with local, state, federal, and USPS regulations and policies.

Quarterly Health and Safety Compliance Audit for Lead Remediation Project, Kansas, Confidential Client, Auditor. Conducted impromptu quarterly compliance audits for a lead-insoil investigation and remediation project at this plant. Identified deficiencies in health and safety compliance issues on a quarterly basis.

Environmental Compliance Audit and Investigation, Various Locations, Confidential Client, Auditor. Conducted an environmental compliance audit for all areas of environmental compliance for automotive metal fabrication plants, foundrys, electrical parts manufacturers, and assembly plants in Michigan, Ohio, and Indiana using the client's standard audit protocols.

Pre-Demolition Inspection, Residential and Commercial Structures, Detroit, MI, City of Detroit Planning and Development Department, Project Manager. Conducted inspections of over 100 residential and commercial structures in the Detroit area to identify suspect asbestoscontaining material (ACM), and to determine all potential environmental concerns to be addressed prior to demolition of the structures.

Pre-Demolition and Decommissioning Inspection, Detroit, MI, Confidential Client, Auditor/Inspector. Conducted an inspection of administration and operating buildings to identify all potential environmental concerns to be addressed prior to demolition of the structures.

EHS Compliance Audit, Owosso, MI, Electro Mechanical Products, Auditor. Conducted EHS compliance audits in accordance with ISO 14000, federal, state, local, and internal standards for an electromechanical manufacturing facility. Identified deficiencies in EHS issues and prioritized response actions.

Underground Storage Tank (UST) System Training, Miscellaneous USPS Offices and Vehicle Maintenance Facilities throughout Michigan, Trainer. Conducted 4-hour awareness training for USPS employees responsible for the operation of UST systems at several facilities throughout Michigan.

Environmental Compliance Audit and Investigation, Monroe, MI, Confidential Paper Manufacturing Facility, Auditor. Conducted environmental compliance audits at a confidential paper manufacturing facility in Monroe, MI, for a confidential potential buyer of the facility.

Environmental Compliance Audit and Soil Investigation, Traverse City, MI, and Kendallville, IN, MascoTech Facilities, Auditor. Conducted environmental compliance audits for four MascoTech metal stamping facilities in Traverse City, MI, and one facility in Kendallville, IN, for Tower Automotive of Grand Rapids, MI. Conducted additional surface and subsurface investigations at the Kendallville, IN, facility.

Air Emissions Inventory, Various Locations, USPS, Project Scientist. Conducted air emission inventory for USPS P&DCs and VMFs to determine compliance status with respect to the federal Clean Air Act (CAA), the CAA Amendments (CAAA), and state and local regulations.

Waste Minimization Investigation, Lansing, MI, USPS, Project Scientist. Conducted inventory of wastes generated at USPS P&DCs. Provided recommendations for waste minimization based on an evaluation of economic, management, and environmental benefits.

Indoor Air Quality Monitoring, Various Locations, Multiple Clients, Project Scientist. Conducted indoor air quality investigations in office and industrial environments. Studies included distribution and evaluation of questionnaires, examination and assessment of ventilation systems, sampling for common indoor air contaminants including formaldehyde, bioaersols, respirable particulate, CO, CO₂, and VOCs. Reported and interpreted results with appropriate recommendations.

PCB Remediation, Michigan Department of Management and Budget (MDMB), Benton Harbor, MI, Project Manager. Supervised polychlorinated biphenyl (PCB) contaminated soil, debris, and concrete removal operations at a large demolished industrial facility. Project management included submittal of monthly progress reports and maintenance of subcontractor documentation.

Risk Assessment, Bristol, CT, Confidential Client, Project Scientist. Prepared risk assessment sampling plan. Collected surface soil, subsurface soil, and groundwater samples from a 2-acre industrial property. Prepared a risk assessment report for the property based on analytical results.

Baseline Environmental Assessment, Muskegon, MI, Confidential Client, Project Scientist. Prepared a baseline environmental assessment (BEA) for an active industrial facility based on a review of previous analytical results and investigative studies. The BEA was submitted for determination to MDEQ.

Baseline Environmental Assessment, Detroit, MI (Various Sites), City of Detroit, Project Scientist. Prepared BEAs for properties defined as a facility to be used by the City of Detroit in property transfers.

Health and Safety Oversight of 50,000-Gallon Underground Styrene Tank Removal and Replacement, Holyoke, MA, Mobil Chemical, Site Health and Safety Coordinator. Performed health and safety oversight of tank purging, entry, cleaning, removal, cutting, and replacement operations for two 50,000-gallon styrene tanks.

24-Hour OSHA Training, East Lansing, MI, Michigan State University, Training Coordinator. Designed and conducted 24-hour site-specific Occupational Safety and Health Administration (OSHA) training for Michigan State University post-doctoral researchers working on a PCB bioremediation bench test at a Michigan hazardous waste site.

40-Hour OSHA Training, Hartford, CT, George A. Tomasso Construction Corporation, Trainer. Assisted with initial 40-hour OSHA training of construction workers for a Connecticut Department of Transportation (ConnDot) construction operation dealing with hazardous materials. Instructed annual refresher courses as necessary per 29 CFR 1910.120.

Health and Safety Oversight of I-91 Modernization Project, Hartford, CT, George A. Tomasso Construction Corporation, Health and Safety Manager. Prepared and implemented a site health and safety plan (HASP) for a 3-year bridge construction project as it

applied to handling or contact with contaminated soils. Provided health and safety oversight of interstate highway construction operations within areas of contaminated soil.

Comprehensive UST Assessments, Boston, MA, Massachusetts Water Resources Authority (MWRA), Project Scientist. Assisted with resistivity testing and pressure testing. Installed monitoring wells, and conducted soil sampling near several USTs located within watershed areas.

Asbestos Inspections, Various Locations, Multiple Clients, Survey Coordinator. Conducted industrial, AHERA, and private and public building inspections for asbestos. Developed operations and maintenance (O&M) programs for schools and industries. Conducted air monitoring and developed health and safety programs for all phases of asbestos abatement.

PCB Cleanup, New York City, NY, New York City (NYC) Bureau of Water Supply, Health and Safety Officer. Inspected the decontamination of the NYC Bureau of Water Supply Shaft 18 watershed. Responsibilities included construction contractor monitoring, oversight, health and safety monitoring, and sample collection. Verified cleanup standards were achieved using confirmatory sampling.

Phase I Site Assessments, Various Locations, Multiple Financial Institutions, Site Inspector. Conducted Phase I site assessments to identify possible environmental hazards. Activities included preparation of chemical or hazardous materials inventories, local state and federal file reviews, and identification of potential environmental liabilities associated with subject properties.

Provided technical support to EPA personnel during hazardous material spill emergencies, emergency removals, groundwater contamination site remediations, and various Superfund site cleanups and investigations. Responsibilities included real-time monitoring, multimedia sample

Hazard Material Spill Emergencies, Various Locations, EPA, Environmental Scientist.

cleanups and investigations. Responsibilities included real-time monitoring, multimedia sample acquisition and analysis, wastestream analysis and characterization, and geophysical investigations. Other activities included conducting spill prevention, control, and countermeasures (SPCC) inspections, field equipment maintenance, contractor oversight, project cost tracking, and on-site compatibility studies.

Site Investigation (SI)/Site Characterization, Industrial Facility, Bay City, MI, EPA, Site Manager. Managed a comprehensive site investigation of a 31-acre abandoned industrial facility. Activities included oversight of subsurface sampling and investigation, building inspections, preliminary site characterization, and associated cost estimate for remediation.

Extent of Contamination Study, Wallingford, CT, Cyro Industries, Site Manager. Conducted on-site screening for PCBs in concrete and wipe samples throughout an industrial facility. Screening was performed using ENSYS immunoassay field testing.

Ground/Surface-Water Sampling and Modeling, Dayville, CT, Confidential Client, Project Scientist. Conducted sampling of surface-water and existing groundwater wells. Tied in well points using surveying methods to incorporate wells into a groundwater modeling program. Set up the database and plotted files to model the groundwater flow on-site.

KRISTA A. RICHARDSON, E.I.T.

Qualifications Summary

- More than 12 years of professional experience in environmental engineering and consulting.
- Experience with Resource Conservation and Recovery Act (RCRA) and Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) sites, including preparation of corrective measures study (CMS), remedial investigations (RIs), feasibility study (FS) reports, Record of Decision (ROD) support, and design cost estimates for groundwater and soil remedial alternatives.
- Experience with calculation and tabulation of chemical and radiological data to determine constituents of potential concern (COPCs) and associated cancer risk estimates and hazard quotients.
- Experience with preparation and review of Phase I environmental site assessments of residential, agricultural, industrial, and manufacturing facilities.

Registration

Engineer-in-Training in the State of Indiana (1999)

Education

B.S., Agricultural and Biological Engineering—Purdue University (1999)

Credentials

40-Hour Hazardous Waste Site Training Course, OSHA 29 CFR 1910.120(e)(3), WESTON (1999)

8-Hour Hazardous Waste Refresher Course, 29 CFR 1910.120(e)(8), WESTON (2010)

8-Hour Managers and Supervisors Course (SHSC), OSHA 29 CFR 1910.120(e)(4), WESTON (2000)

Hazardous Waste Management and Shipping for Environmental Professionals, 40 CFR 265.16, Eduwhere (2001)

Bloodborne Pathogens Refresher Training, OSHA 29 CFR 1910.1030, WESTON (2010)

10-Hour Construction Safety Training, OSHA 29 CFR 1926, WESTON (2000)

Adult Heartsaver CPR Certification, American Heart Association (2009)

Medic First Aid AED Training Course (2009)

Due Diligence at Dawn Seminar, Environmental Data Resources, Inc. (2001)

Employment History

1999-Present WESTON [9-99 to Present; Vernon Hills, IL; Project Manager]

Key Projects

Remedial Investigation (RI), Former Nansemond Ordnance Depot (FNOD), Suffolk, VA, U.S. Army Corps of Engineers (USACE), Baltimore and Norfolk Districts, Technical

Manager. Managing completion of multiple RIs of source areas and management of multimedia site investigation (SI) at this Defense Environmental Restoration Program – Formerly Used Defense Sites (DERP-FUDS) site that is under private ownership. RIs for the Horseshoe Pond (HSP) and James River Beachfront (JRB) areas included documentation of historical data and RI-related field work and removal actions. Work at the

Nansemond River Beachfront (NRB) included mag and dig removals, soil excavation/screening, and off-site disposal of munitions constituents (MC)-impacted soils, single point anomaly (SPA) removal actions, and the removal of bulk trinitrotoluene (TNT) found in trenches near the shoreline. Responsibilities at the NRB included documentation and confirmation sampling of a TNT removal action using EXPRAY field kits, sampling for laboratory analysis of excavation bottom and excavated soils, review of the Site-Specific Final Report (SSFR), preparation of Work Plan, Quality Assurance Project Plan (QAPP), and Field Sampling Plan (FSP) for preparation of the follow-on RI. [2009 to 2010; WESTON]

RI, Wallops Flight Facility, Wallops Island, VA, USACE, Baltimore and Norfolk Districts, Technical Manager. Managed completion of multiple RIs of source areas at this FUDS. RIs for Sites 14/15, wastewater treatment plant (WWTP), and Site 9 included documentation of historical data and RI-related field work and removal actions. [6-08 to 2010; WESTON]

Feasibility Study (FS), U.S. Army Garrison, Aberdeen Proving Ground, MD, Technical Manager. Prepared evaluation of alternatives for this FS that is one of five volumes that address soil sites located in the Canal Creek Study Area (CCSA) of the Aberdeen Proving Ground – Edgewood Area (APG-EA), MD. The CCSA has been utilized since World War I for development, testing, and manufacturing of military-related chemicals and agents. [8-08 to 2010; WESTON]

FS, Central Indiana, Grissom Air Reserve Base (GARB), IN, Project Leader/Project Engineer. Prepared an FS report for a former oil-water separator site. Contaminated media included soil and groundwater. Evaluated process options such as institutional controls, deed restrictions, containment, collection, in-site treatment, and disposal based on effectiveness, implementability, and cost. Developed remedial alternatives for chlorinated solvent plume and vadose zone soils including no action, monitored natural attenuation (MNA), excavation and disposal, in situ chemical oxidation (ISCO), in situ thermal treatment, pump-and-treat, and in situ chemical reductive treatment. [2007 to 2008; WESTON]

Alternatives Analysis Report (AAR) and Record of Decision (ROD), Lockport, IL, Alcan Aluminum/O'Brien and Gere, Project Leader/Project Engineer. Developed and evaluated remedial action alternatives for soil and groundwater contamination at a former manufactured gas plant (MGP) site. Responsibilities included client communication and report preparation. Aided in focusing on MGP-related impacts to expedite overall project development. Developed remedial alternatives including no action, excavation and disposal, containment, thermal desorption, MNA, and groundwater extraction and treatment. [2001 to 2002; WESTON]

RI, Hegeler Zinc Superfund Site, U.S. Environmental Protection Agency (EPA) Region 5, Project Manager. Planned and conducted an RI for a former zinc smelting facility. As Site Manager/Project Manager, responsibilities included preparation of Work Plan, QAPP, FSP, Health and Safety Plan (HASP), RI report, and human health and ecological risk assessment (HHRA and ERA) reports. Responsibilities also included management of multimedia SI. Field activities included surface soil sampling; Geoprobe® boring investigation; monitoring well installation, development, and sampling; sediment sampling; and surface-water sampling. Field activities progressed with use of the Triad approach and use of on-site X-ray fluorescence (XRF) instrumentation. Data interpretation included regression analysis of XRF versus laboratory data

to identify the extent of site contamination. Field activities also included soil sampling in nearby agricultural and residential areas. RI preparation work included historical research documentation and evaluation of historical data. [8-05 to 2-07; WESTON]

Mare Island Naval Shipyard, Vallejo, CA, City of Vallejo, Associate Project Engineer. WESTON assumed environmental liability for a large part of the former Mare Island Naval Shipyard after it closed in 1996. In order to transfer the land back to the City of Vallejo, several concurrent remedial projects were managed by WESTON's Vernon Hills office. The remedial projects included preparing documents related to the closure of several installation restoration areas, including a 40-acre Resource Conservation and Recovery Act (RCRA) landfill, an industrial WWTP, waste oil sumps and lead battery disposal areas, and numerous historical disposal areas. Documentation responsibilities included authoring the RI report, and supporting the FS report and ERA. Conducted baseline HHRAs for various environmental media including soil, sediment, groundwater, and surface water. This work also included calculating and tabulating chemical data to determine constituents of concern (COCs), and associated cancer risk estimates and nonhazard cancer quotients for all media. Participated in numerous planning meetings with regulatory agencies including the California Department of Toxic Substances Control (DTSC), the California Regional Water Quality Control Board (RWQCB), the Department of Fish and Game, the U.S. Fish and Wildlife Service (USFWS), EPA, and the Restoration Advisory Board (RAB). [2001 to 2008; WESTON]

Base Realignment and Closure (BRAC) Early Property Transfer, Mare Island, Vallejo, CA, City of Vallejo, Associate Project Engineer. Supported development of conceptual remediation approaches, addressed regulatory issues, and supported preparation of Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) documents related to the closure of 450 acres of dredge spoils ponds. The CERCLA documents included authoring or supporting the RI, FS, Remedial Action Plan (RAP), and HHRAs and ERAs. The project involved the property transfer of over 2,500 acres of land from the U.S. Navy to the California State Lands Commission under the Finding of Suitability for Early Transfer (FOSET) process at the Mare Island Naval Shipyard in Vallejo, CA. [2001 to 2008; WESTON]

Long-Term Response Action – Chemical Operable Unit, Aircraft Components CERCLA Site, Benton Harbor, MI, EPA Region 5, Associate Project Engineer. Completed quarterly summary reports tracking the progress, effectiveness, and performance of the full-scale groundwater remedy, which involved injecting HRC_® and HRC-X_® into the aquifer at 423 injection points throughout the groundwater plume. Evaluation included monitoring of site contaminants (volatile organic compounds [VOCs]) and bioremediation parameters; reporting trend analysis and tabulated and graphical presentation; and interpretation of data. [2004 to 2007; WESTON]

Remedial Design – Chemical Operable Unit, Aircraft Components CERCLA Site, Benton Harbor, MI, EPA Region 5, Associate Project Engineer. Was lead engineer for the remedial design for the excavation and off-site disposal of metals-, pesticide-, and semivolatile organic compound (SVOC)-contaminated soil and sediment and in situ reductive dechlorination of chlorinated solvent plume via injection of a hydrogen release compound (HRC®). Responsibilities included preparation of the design specifications, FSP, QAPP, Health and Safety

Plan (HASP), Transportation and Disposal Plan, and Pollution Protection Plan. [2003 to 2004; WESTON]

Treatability Study – Chemical Operable Unit, Aircraft Components CERCLA Site, Benton Harbor, MI, EPA Region 5, Associate Project Engineer. Conducted groundwater treatability study to evaluate the proposed remedial approach for groundwater contamination at the site. The treatability study components included overseeing installation of monitoring wells, groundwater sampling to determine pre-remediation aquifer conditions, injection of HRC_{\odot} and ORC_{\odot} in specific areas of the groundwater plume area, presenting an evaluation of the effectiveness of the HRC_{\odot} and ORC_{\odot} to stimulate the rapid degradation of the site groundwater contaminants, and to propose a recommended treatment approach for the groundwater plume, based on the results of the study. [3-03 to 4-04; WESTON]

FS – Chemical Operable Unit, Aircraft Components CERCLA Site, Benton Harbor, MI, EPA Region 5, Associate Project Engineer. Prepared an FS report for a former aircraft component resale facility. Contaminated media included soil, sediment, surface water, and groundwater. Evaluated process options such as institutional controls, deed restrictions, containment, collection, in-site treatment, and disposal based on effectiveness, implementability, and cost. Developed remedial alternatives for chlorinated solvent plume and metals, SVOC, and pesticide-contaminated soil and sediment including no action, pump-and-treat remedies, in situ oxidation/reduction, and hot spot excavation. [2001 to 2002; WESTON]

Building Demolition Remedial Design – Radiological Operable Unit, Aircraft Components CERCLA Site, Benton Harbor, MI, EPA Region 5, Associate Project Engineer. Supported the remedial design for the demolition of several buildings at a former aircraft salvage and resale facility that was contaminated with radium-226, asbestos, and hazardous wastes. Responsibilities included supporting preparation of the Work Plan, QAPP, HASP, Radiation Protection Plan, Transportation and Disposal Plan, and Pollution Protection Plan. [2000 to 2001; WESTON]

FS – Radiological Operable Unit, Aircraft Components CERCLA Site, Benton Harbor, MI, EPA Region 5, Associate Project Engineer. Assisted with production of the FS report for a former aircraft component resale facility. Gauge dials painted with luminescent paint containing radium-226 had contaminated the site. Site included a 66,330-ft² warehouse complex containing three buildings and a 40,000-ft² concrete building foundation. Evaluated process options based on effectiveness, implementability, and cost including institutional controls, decontamination, and demolition. Developed remedial alternatives for radiological contamination including no action, decontamination and disposal, and demolition and disposal. Identified and screened decontamination technologies and process options including shot blasting, sand blasting, scabbling, various surfactants, and implosion. The recommended remedial approach involved decontamination and demolition of buildings. [2000; WESTON]

Risk Assessment - Chemical Operable Unit, Aircraft Components CERCLA Site, Benton Harbor, MI, EPA Region 5, Associate Project Engineer. Assisted with the calculation and tabulation of chemical and radiological data to determine constituents of potential concern (COPCs), and associated risk and hazard quotients (HQs). COPCs that did not meet cleanup objectives included groundwater, sediment, and surface water. [2000 to 2002; WESTON]

Waste Management Survey, Chicago, IL, Department of Aviation (CDOA), O'Hare International Airport, Associate Project Engineer. Performed an assessment of hazardous materials, hazardous waste, special waste, universal waste, and solid waste for the various trades throughout O'Hare. This assessment included an inventory of materials stored in the various trade buildings, interviews with airport personnel, and a report summarizing findings. The report also highlighted the reduction in hazardous material usage and the increase in recycling that the CDOA had implemented. Tracked budget and prepared monthly progress reports. [5-03 to 9-03; WESTON]

Phase I Environmental Audit, Des Plaines and Chicago, IL, CDOA, O'Hare International Airport, Associate Project Engineer. Prepared multiple Phase I environmental audits identifying potential environmental liabilities and hazards, and regulatory compliance issues for properties (commercial and residential) sought by O'Hare as part of the runway expansion. [2002; WESTON]

Residential Well Sampling – Ottawa Radiation Sites, EPA Region 5, Assistant Project Engineer. Conducted residential well sampling of several wells in the Ottawa, IL area. Prepared a report that summarized contamination trends. [2000; WESTON]

Groundwater Sampling, Coffeyville, KS, Confidential Client, Assistant Project Engineer. Performed biannual groundwater sampling of over 40 on-site and off-site monitoring wells at a large industrial site. Sampled for VOCs, SVOCs, total metals, pH, conductivity, and temperature. Results of sampling were used to support the long-term monitoring program. [1999 to 2001; WESTON]

Groundwater Sampling, Medford, WI, EPA, Assistant Project Engineer. Conducted groundwater sampling of over 20 monitoring wells at this scrap-processing CERCLA site. Sampled for VOCs, SVOCs, total metals, pH, conductivity, and temperature. Sampling was part of the long-term monitoring program to assess the effectiveness of completed remedial action. [1999; WESTON]

Summary Report of Harbor Polychlorinated Biphenyl (PCB) Remediation, Manistique, MI, EPA, Assistant Project Engineer. Assisted in preparation of a summary report for PCB removal action at the Manistique Harbor site in Manistique, MI. Performed statistical analyses of data from waste manifests, production logs, and disposal totals to document the volume and mass of sediments removed during dredging operations. [2000 to 2001; WESTON]

Phase I Site Assessments, Decatur, IL, Confidential Client, Assistant Project Engineer. Performed assessments of five local radio studio and tower locations using American Society for Testing and Materials (ASTM) standards. Areas of concern included aboveground storage tanks (ASTs), PCB-containing transformers, lead-based paint, and asbestos-containing material (ACM). Recommended asbestos and lead-based paint surveys of older buildings, and labeling of all transformers and PCB-containing equipment. Identified and recommended the replacement of leaking capacitors and transformers. [2000; WESTON]

Phase I Site Assessment, Chicago, IL, Vinci & Hamp, Assistant Project Engineer. Assisted in the inspection and Phase I site assessment of an abandoned former bus depot. Assisted with sample collection and historical review of the facility and report preparation. The end use of this

property redevelopment site included a facility to house an art gallery. Results of sampling led to removal of all ACM prior to construction and renovation. [2000; WESTON]

Soil Sampling at Multiple Locations, Chicago, IL, CANDU, Assistant Project Engineer. Assisted Geoprobe® operator with soil sampling and classification. Sampled for VOCs and SVOCs, metals, pesticides, and PCBs. Conducted confirmation sampling prior to sale of properties, which included a vacant lot in a residential area and a car wash. [1999 to 2000; WESTON]

Bid Specification, Springfield, IL, U.S. Postal Service (USPS), Assistant Project Engineer. Prepared bid specification for removal and disposal of 2,000 yd³ of petroleum-contaminated soil and the application of oxygen-reducing compound (ORC) to enhance the biodegradation of petroleum-related constituents. [2000; WESTON]

Remedial Investigation (RI) for Industrial Facility, Chelmsford, MA, Confidential Client, Site Health and Safety Coordinator. Conducted oversight for monitor well installation and borehole logging, and collected groundwater and soil samples.

Extent of Contamination Study, Resource Conservation and Recovery Act (RCRA) Cell Closure, Thompson, CT, Project Scientist. Conducted statistical grid sampling of a RCRA cell at a municipal landfill.

Qualifications Summary

- More than 18 months of professional experience as a staff scientist.
- Superfund assessment and response
- Brownfield assessment and remediation.
- Oil spill response, investigation, and assessment.
- ArcGIS proficient.

DAVID WILLIAM SENA

Education

M.S., Natural Resources and Environment (Concentration in Aquatic Sciences: Research and Management)—University of Michigan (2010)

B.S., Biological Sciences—University of Notre Dame (2008)

Credentials

8-Hour Hazardous Waste Refresher Course, OSHA 29 CFR 1910.120(e)(8), WESTON (2012)

Bloodborne Pathogens Refresher Training, OSHA 29 CFR 1910.1030, WESTON (2012)

Shipping and Transporting Dangerous Goods – Administrative/ Field Personnel – Initial, Weston Solutions, Inc., Manual of Procedures for Shipping and Transporting Dangerous Goods Training Course, 49 CFR 172 Subpart H, WESTON (2011) 40-Hour Hazardous Waste Site Training Course, OSHA 29 CFR 1910.120(e)(3), Compliance Solutions (2010) First Aid/CPR/AED Training Medic First Aid (2011)

First Aid/CPR/AED Training, Medic First Aid (2011) 8-Hour Managers and Supervisors Course (SHSC), OSHA 29

CFR 1910.120(e)(4), WESTON (2010)

Hazardous Waste Management and Shipping for Environmental Professionals, 40 CFR 265.16, Eduwhere (2010)

Annual START Training, (2012)

Certified Professional Training Soil Classification, Description and Logging, OAC 3745-300-05(C)(9)(a), (2011)

Fall Prevention and Protection Competent Person I Training (2012)

Huron River Watershed Council, Macroinvertebrate Collection Leader (2009)

Employment History

2010-Present WESTON [3-10 to Present; Chicago, IL; Assistant Project Scientist]

2009-2010 University of Michigan, Department of Civil and Environmental Engineering [2009 to 2010; Ann Arbor, MI; Graduate Researcher]

2006-2008 University of Notre Dame, Department of Biological Sciences [2006 to 2008; South Bend, IN; Undergraduate Researcher]

2006 Newport Aquarium [2006; Newport, KY; Water Quality Intern]

Key Projects

Environmental Site Assessment (ESA), Deeds Point Park, Dayton, OH, City of Dayton, Site Lead. Wrote an Ohio Voluntary Action Program (VAP) Phase I ESA. Was the Site Lead for an Ohio VAP Phase II ESA involving procurement of subcontractors; sampling of soil, soil gas, and groundwater; oversight of monitoring well installation; and wrote an Ohio VAP Phase II ESA. [WESTON]

Site Assessments and Emergency Response, Indiana and Ohio, U.S. Environmental Protection Agency (EPA) Superfund Technical Assessment and Response Team (START). Conducted site assessments and responded to emergency responses at several locations throughout Indiana, Ohio, and Michigan, including former metal plating, dry cleaning, paper manufacturing, chemical processing, and vehicle maintenance facilities. Has experience in writing Field Sampling Plans (FSPs), Health and Safety Plans (HASPs), Site Assessment Reports, and final letter reports, as well as creating ArcGIS figures. Field techniques include residential and monitoring well sampling, subsurface soil sampling using Geoprobe® and sonic drill rigs, soil-gas sampling, sub-slab vapor sampling, Level B entry, container sampling, and air monitoring. [WESTON]

Subsurface Soil Sampling, Tech Town, Dayton, OH, City of Dayton, Site Lead. Was the Site Lead for sampling subsurface soil using both Geoprobe_® and rotosonic rigs, the installation and abandonment of monitoring wells, and sampling of groundwater at the former General Motors Delphi Radiator Plant brownfield redevelopment site. Supervised removal of a polychlorinated biphenyl (PCB)-impacted trench and an underground storage tank (UST). Compiled current and historical data for the generation of tables for a sitewide risk assessment. Wrote a PCB-Remediation Remedial Completion Report. [WESTON; Proj. No. 12473.005.007]

Enbridge Oil Spill, Marshall, MI, EPA. Investigated initial spatial extent of the spill and of volatile contaminants; conducted residential air monitoring; served as liaison between WESTON and the potentially responsible party's (PRP) contractor, CTEH; studied PRP contractor decontamination procedures; wrote a technical memorandum on the effect of increased sediment on aquatic biota in Talmadge Creek; supervised operations of a submerged oil recovery team, an overbank soil sampling team, and a background sediment sampling team quantifying the amount of oil released in the spill. [WESTON]

Deepwater Horizon Oil Spill, Chalmette, LA, EPA. Investigated the extent of volatile contaminants and particulate matter throughout the Chalmette, LA, region resulting from the Deepwater Horizon oil spill and ensuing remediation actions.

Sediment and Aquatic Macroinvertebrate Sampling, Detroit, MI, and Toledo, OH, EPA. On R/V Mudpuppy, sampled sediment in Maumee Bay and the Maumee River in Toledo, OH, and in the Old Rouge River channel in Detroit. Collected aquatic macroinvertebrates in upstream reaches of Duck and Otter Creek in Toledo, OH. [WESTON]

UST Maintenance and Testing, Indiana, U.S. Postal Service (USPS). Supervised and documented the maintenance and testing of USTs at 10 USPS vehicle maintenance facilities across the State of Indiana; served as liaison between individual USPS contacts and WESTON. [WESTON]

Publications and Presentations

Sena, D.W., K.J. Kulacki, D.T. Chaloner, and G.A. Lamberti. "The Role of the Cell Wall in the Toxicity of Ionic Liquids to the Alga Chlamydomonas reinhardtii." Green Chemistry, 12, 1066– 1071.

Sena, D. 2009. "The Use of Water Quality Models and Uncertainty Analysis in the Design of Water Quality Monitoring Networks." Poster for 2009 University of Michigan Engineering Graduate Symposium.

Sena, D. 2009. "Investigating the Role of the Cell Wall in the Susceptibility of Freshwater Phytoplankton to Novel Chemical Stressors." Poster for North American Benthological Society.

PHASE II ENVIRONMENTAL SITE ASSESSMENT REPORT FOR THE FRANKFORT ROUNDHOUSE SITE STATE ROUTE 28 AND BOOMER STREET FRANKFORT, CLINTON COUNTY, INDIANA

Prepared for:

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region V 77 West Jackson Boulevard Chicago, Illinois 60604

and

CLINTON COUNTY CHAMBER OF COMMERCE/ECONOMIC DEVELOPMENT

259 East Walnut Street Frankfort, Indiana 46041

Prepared by:

WESTON SOLUTIONS, INC.

Region V Superfund Technical Assessment and Response Team

January 14, 2013

Dates of Sampling: October 8 through 12, 2012 Contractor Organization: Weston Solutions, Inc.

Contract Name: START III-TBA Grant Program

Contract No.: EP-S5-06-04

Technical Direction Document No.: S05-0008-1111-035 Document Control No.: 1693-2A-BEFV

LIST OF ACRONYMS

μg/kg	Microgram per kilogram	РАН	Polycyclic aromatic
μg/L	Microgram per liter		hydrocarbon
%	Percent	PCB	Polychlorinated biphenyl
amsl	Above mean sea level	QAPP	Quality Assurance Project
ACM	Asbestos containing material	r	Plan Correlation coefficient
AST	Aboveground storage tank	REC	Recognized Environmental Condition
bgs	Below ground surface	SAP	Sampling and Analysis Plan
DO EDR	Dissolved oxygen Environmental Data Resources, Inc.	SVOC	Semivolatile organic compound
ЕРН	Extractable petroleum hydrocarbon	TBA	Targeted Brownfields Assessment
ERO	Extended range organic	TCLP	Toxicity Characteristic Leaching Procedure
ESA	Environmental Site Assessment	TPH	Total petroleum hydrocarbon
ft GRO	Feet Gasoline range organic	U.S. EPA	United States Environmental Protection
IDEM	Indiana Department of		Agency
	Environmental Management	USGS	United States Geological Survey
LUST	Leaking underground storage tank	VPH	Volatile petroleum hydrocarbon
mg/kg	Milligram per kilogram	VOC	Volatile organic
NSRC	Norfolk Southern	,	compound
	Railroad Company	WESTON	Weston Solutions, Inc.
ORP	Oxidation-reduction potential	XRF	X-ray fluorescence

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EXECUTIVE SUMMARY

The Weston Solutions, Inc. (WESTON®) Superfund Technical Assessment and Response Team

has prepared this Phase II Environmental Site Assessment (ESA) for the Frankfort Roundhouse

Site (Site), located at the intersection of Indiana State Route 28 and Boomer Street, in Frankfort,

Clinton County, Indiana. The Site is approximately 12 acres and is currently owned by the

Norfolk Southern Railroad Company (NSRC). This Phase II ESA Report was prepared under a

Targeted Brownfields Assessment (TBA) Grant for the United States Environmental Protection

Agency (U.S. EPA) in response to a request from the Clinton County Chamber of

Commerce/Economic Development to conduct a TBA Phase II ESA in contemplation of a

change in the ownership of the Site for future development. The Clinton County Chamber of

Commerce/Economic Development has intentions to restore the Site into a community center,

small business complex, and museum focusing on the role of America's railroads and their

employees during World War II.

The objectives of the Phase II ESA were to document the presence (and if possible the nature

and extent) of contamination in soil and groundwater at the Site and of asbestos containing

materials (ACM) in Site buildings.

The Site consists of three separate tracts: Tract A, Tract B, and Tract C. Tract A is 6.89 acres

and contains seven buildings: the roundhouse, a machine shop, a coach shop, a vard office,

outbuilding no. 1 (a former storage building), outbuilding no. 2 (a former women's locker room),

and outbuilding no. 3 (a former transformer storage building). Tract B is a 0.88 acre, vacant,

triangular-shaped lot located approximately 200 ft to the east of Tract A. Tract C is located

adjacent west of Tract A and is a 3.59 acre rectangular lot containing a yard office building and a

parking lot.

Based on historical uses of the Site and historical uses of adjacent properties, the primary sources

of contamination at the Site are likely derived from potential historical releases of contaminants

from the following operations: (1) locomotive maintenance operations, (2) petroleum storage and

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loading operations, (3) the former water treatment plant operations, (4) transformer storage

operations, and (5) leaking underground storage tanks on adjacent off-site properties. Leaching

of contaminants from surface soils to subsurface soils, leaching of soil contaminants to shallow

groundwater underlying the Site, and migration of contaminants in groundwater off-site each

represent potential migration pathways at the Site. Potential exposure pathways of contaminants

include ingestion of contaminants in soil, inhalation of airborne soil contaminants, ingestion of

groundwater, and inhalation of constituents volatilized from soil and groundwater.

WESTON and subcontractor SCS Environmental Contracting, Inc. used a direct push Geoprobe®

track-mounted rig to advance 13 soil borings, FR-SB01 through FR-SB10, and FR-SB12 through

FR-SB14. WESTON advanced one boring, FR-SB11, to a depth of 6 inches below ground

surface (bgs) using a hand auger. All soil samples were analyzed for volatile organic compounds

(VOC), semivolatile organic compounds (SVOC), and metals. Select soil samples were also

analyzed for polychlorinated biphenyls (PCB) and/or total petroleum hydrocarbons (TPH) as

gasoline range organics, extended range organics (ERO; which includes diesel range organics),

extractable petroleum hydrocarbons (EPH), and volatile petroleum hydrocarbons (VPH). A total

of 40 investigative soil samples were collected from the 14 soil sampling locations.

WESTON also conducted a preliminary x-ray fluorescence (XRF) survey of surface soil at the

Site. The survey was conducted to determine Site areas where metals (specifically arsenic and

lead) in surface soil were of concern and may require further evaluation. A total of 60 locations

were screened with the XRF.

Six monitoring wells were installed as part of the investigation. Collected samples were analyzed

for VOCs, SVOCs, metals, and PCBs. Monitoring wells were surveyed by Hause Surveying &

Engineering of Lebanon, Indiana, an Indiana licensed surveyor.

The soil and groundwater samples were analyzed by Accutest Laboratories of New England, Inc.

The analytical results identified six polycyclic aromatic hydrocarbons (PAHs)

(benzo[a]anthracene, benzo[a]pyrene, benzo[b]fluoranthene, benzo[k]fluoranthene,

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dibenzo[a,h]anthracene, and indeno [1,2,3-cd]pyrene) and seven metals (antimony, arsenic, iron,

lead, manganese, mercury, and thallium) detected at concentrations above the Indiana

Department of Environmental Management (IDEM) residential direct contact screening levels.

The locations of the samples with PAHs detected in surface soil at concentrations exceeding the

IDEM residential screening levels were distributed across the Site and the lateral extent of PAH

contamination has not been defined. PAHs also exceeded screening levels in subsurface soil

collected at two locations. The highest PAH concentrations were detected in subsurface soil

collected in the footprint of the demolished portion of the roundhouse building. PAHs also

exceeded residential screening levels in subsurface soil collected in the area of the former water

treatment plant and sludge basins. PAH contamination may be contributed to historical on-site

and nearby industrial use of coal, oil, diesel fuel, and other organic substances. PAH

contamination was identified in subsurface soil in areas of the Site that were artificially filled or

altered for manmade structures.

Arsenic was detected in surface soil at concentrations exceeding the IDEM residential screening

level across the entire Site. The maximum arsenic concentration in surface soil was located in

the northeast corner of Tract A. Arsenic was also detected at concentrations exceeding the

residential screening level in subsurface soil at 12 of the 13 subsurface soil sampling locations.

Lead was detected in surface soil at concentrations exceeding the residential screening level in

the south portions of Tracts A and C and in areas near the roundhouse building. The highest lead

concentrations in surface soil are located in the southwest portion of Tract C and the soil

collected from within outbuilding no. 3. Lead did not exceed the residential screening level in

subsurface soil. Metal contamination may be attributed to the former industrial uses of the Site

and the lateral extent of contamination has not been defined.

Soil analytical results for TPH VPH and TPH EPH fractions were summed and compared to

IDEM's 2006 (revised June, 2010) maximum allowable TPH concentration in soil for closure

using a nondefault closure level. The sum of concentrations exceeded the maximum allowable

TPH concentration in soil at one location, located inside outbuilding no. 3, the former

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transformer storage building. The extent of TPH contamination is not defined within the area of

outbuilding no. 3.

Groundwater analytical results from the October 2012 sampling event indicated the presence of

one SVOC (bis[2-ethylhexyl]phthalate) and three metals (arsenic, iron, and manganese) at

concentrations above the IDEM residential tap water screening levels.

A facility assessment was conducted in order to identify locations and quantities of friable and

non-friable suspected ACM. Based on the results of the facility assessment, 65 bulk samples of

suspected ACM were analyzed for asbestos. Asbestos was detected in two materials (9-inch by

9-inch floor tile and in roof shingles above a drop ceiling) sampled from the yard office building,

one material (asphalt roofing sheeting found in a debris pile) from outbuilding no. 3, and three

materials (asphalt roofing shingles, pipe insulation in debris piles, and pipe insulation inside the

building) from the roundhouse building. Asbestos was not detected in sampled materials from

outbuilding no. 2. No suspect ACM was observed at outbuilding no. 1.

Based on the findings of this investigation, WESTON recommends the following steps in

determining the nature and extent of contamination at the Site prior to renovations or demolition

at the Site:

• Define the lateral and vertical extent of PAHs and metals in soil

• Characterize soil in inaccessible areas under existing building footprints

Determine the potential hazardous characteristics of soil within outbuilding no. 3 where

elevated lead and TPH were detected

• Conduct a ground penetrating radar survey or other similar investigation to identify any

buried debris that may exist at the Site

• Conduct a risk evaluation and develop site-specific remediation goals

Evaluate potential remedial technologies

Evaluate ACM abatement

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1. INTRODUCTION

The Weston Solutions, Inc. (WESTON®) Superfund Technical Assessment and Response Team

has prepared this Phase II Environmental Site Assessment (ESA) for the Frankfort Roundhouse

Site, located at the intersection of Indiana State Route 28 and Boomer Street, in Frankfort,

Clinton County, Indiana (Figure 1-1). The Site is approximately 12 acres and is currently

owned by the Norfolk Southern Railroad Company (NSRC). This Phase II ESA Report was

prepared under a Targeted Brownfields Assessment (TBA) Grant for the United States

Environmental Protection Agency (U.S. EPA) in response to a request from the Clinton County

Chamber of Commerce/Economic Development to conduct a TBA Phase II ESA in

contemplation of a change in the ownership of the Site for future development. The Clinton

County Chamber of Commerce/Economic Development has intentions to restore the Site into a

community center, small business complex, and museum focusing on the role of America's

railroads and their employees during World War II.

The Phase II ESA scope of work was developed based on the findings and recommendations of a

Final Phase I ESA Report prepared by WESTON dated May 18, 2012. The WESTON Phase I

ESA Report is presented in **Appendix A**.

The Phase II ESA was performed in accordance with the following approved plans:

• Sampling and Analysis Plan (SAP) dated September 18, 2012

• Quality Assurance Project Plan (QAPP) Addendum dated September 18, 2012

• Targeted Brownfields Assessment Grant Program Quality Assurance Project Plan

(Generic QAPP) dated October 2009

Specifically, this report contains the following five sections:

• Introduction – This section provides the characteristics of the Site and includes a Site

description (history, topography, geology, hydrogeology, and surface water); a description of recognized environmental conditions (REC); and a description of potential

migration pathways and exposure routes.

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- Field Activities This section includes a description of the project sampling objectives, summarizes the types, quantities, and locations of samples that were collected and provides the findings of the site-specific geological and hydrogeological assessment.
- Analytical Results This section includes a comparison of soil and groundwater analytical results to Indiana Department of Environmental Management (IDEM) screening levels and provides the asbestos sampling results.
- Conclusions and Recommendations This section presents a summary of the Site characterization and presents the conclusions and recommendations based on the sample analytical results.
- References This section presents references.

1.1 PROJECT OBJECTIVE

The objectives of the Phase II ESA field investigation were to:

- Document the presence (and if possible the nature and extent) of contamination in soil and groundwater at the Site
- Document the presence (and if possible the nature and extent) of asbestos in Site building materials

1.2 SITE DESCRIPTION

The Site is generally known as the Frankfort Roundhouse and is located at the intersection of Indiana State Road 28 and Boomer Street in Frankfort, Clinton County, Indiana (**Figure 1-2**). The approximate size of the property is 11.4 acres. The Site is located in a mixed industrial, commercial, and residential area. The Site consists of three separate tracts: Tract A, Tract B, and Tract C as shown on **Figure 1-2**.

Figure 1-3 presents the current and historical Site features. Tract A is 6.89 acres and contains seven buildings: the roundhouse, a machine shop, a coach shop, a yard office, outbuilding no. 1 (a former storage building), outbuilding no. 2 (a former women's locker room), and outbuilding no. 3 (a former transformer storage building). Tract A is bordered to the north by a NSRC railroad line and GENCO located at 901 West Morrison Street; to the east by the former Indiana

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Brass property; to the south by the storage buildings along Clinton Street and an Indiana Farm

Bureau Insurance Company building at 810 Walnut Avenue; and to the west by Tract C and an

NSRC railyard. The NSRC railyard to the west includes a former locomotive fueling rack and

seven former fuel unloading stations associated with a pump house building located

approximately 200 feet (ft) west of the fueling rack.

Tract B is a 0.88 acre, vacant, triangular-shaped lot approximately 200 ft to the east of Tract A.

Tract B is bordered to the north by the NSRC railroad line and Clear View Auto Glass, Inc., an

automobile glass repair shop; to the southeast the Frankfort Secondary Subdivision railroad line

(formerly Pennsylvania Railroad) and the Kramer Lumber Do-It Center lumber yard; and to the

southwest by the Winski Brothers, Inc. salvage yard.

Tract C is a 3.59 acre rectangular lot containing a yard office building and a parking lot. Tract C

is bordered to the north by the NSRC railroad line and GENCO located at 901 West Morrison

Street; to the east by Tract A; to the south by a Dollar General store at 1001 Walnut Avenue and

Del Real Automotive at 1002 Walnut Avenue; and to the west by the NSRC railyard.

1.2.1 Site History

According to the earliest available historical Sanborn Fire Insurance Maps, in 1898 the Site was

owned by the Toledo, St. Louis and Kansas City Railroad (commonly referred to as the "Clover

Leaf Railroad") and contained eight structures, including a 12-stall roundhouse and turntable.

The Toledo, St. Louis and Kansas City Railroad was reorganized in 1900 and renamed as the

Toledo, St. Louis and Western Railroad. At this time the company operated approximately

450 miles of rail line between Toledo and East St. Louis. In 1922, the Toledo, St. Louis, and

Western Railroad became part of the New York, Chicago, and St. Louis Railroad (better known

as the "Nickel Plate Railroad"). The roundhouse building was destroyed in a fire in 1924 and

was rebuilt in 1926. In 1964, the New York, Chicago, and St. Louis Railroad merged with

Norfolk & Western. In 1982, Norfolk & Western merged with the Southern Railway to become

the present-day owner, NSRC. The roundhouse building has been vacant since the early 1990s.

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NSRC owns the 11.4-acres of the Site containing the roundhouse and associated structures. In

2009, the Frankfort-Midwest Rail Heritage Trust (a 501[c][3] non-profit Indiana Corporation

formed in 2005 to preserve American railroad equipment, appliances, and structures focusing on

the Nickel Plate Railroad Roundhouse) gained possession of the yard office building in Tract C

in a non-revenue lease agreement with NSRC. The Frankfort-Midwest Rail Heritage Trust and

the Clinton County Chamber of Commerce/Economic Development have intentions to restore

the Site into a community center, small business complex, and museum focusing on the role of

America's railroads and their employees during World War II.

1.2.2 Regional Topography

United States Geological Survey (USGS) topographic maps reviewed by WESTON indicate the

Site has a relatively flat surface and an elevation of approximately 860 ft above mean sea level

(amsl). The general topographic gradient is north. Figure 1-1 presents a 7.5 minute USGS

topographic map indicating the Site boundaries.

1.2.3 Regional Geology

According to information gathered from the Environmental Data Resources, Inc. (EDR) report

obtained as part of the Phase I ESA conducted by WESTON (2012), soil at the Site is classified

as Fincastle Silt loam. The Fincastle series consists of nearly level, deep, somewhat poorly

drained soils on slight rises on broad till plains. These soils have a somewhat slow permeability

(EDR, 2011). Trafalgar Formation loam till forms the unconsolidated material below the Site.

The loam till has a thickness of approximately 300 ft. The unconsolidated material has a

complex and unstratified composition.

New Albany Shale forms the bedrock below the Site. The New Albany Shale consists of mostly

brownish-black carbon-rich shale, greenish-gray shale, and minor amounts of dolomite and

dolomite quartz limestone. The surface of the bedrock has an elevation of approximately 600 ft

amsl. Regionally, the bedrock surface slopes to the west or slightly northwest. The permeability

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of shale material is considered low. The New Albany Shale Aquifer system, therefore, has a low

susceptibility to contamination introduced at or near the surface (Scott, 2008).

1.2.4 Regional Hydrogeology

Groundwater in the region occurs in and is available from the unconsolidated deposits, primarily

sand and gravel in glacial drift, and from bedrock, mostly limestone and dolomite (Scott, 2008).

Recharge is through precipitation that seeps through overlying permeable outwash, and alluvium.

Based on the Clinton County Soil Survey, the seasonal high water level in Fincastle soils may be

as shallow as 1 to 3 ft below ground surface (bgs) in winter and early spring (EDR, 2012).

The Tipton Complex Aquifer System makes up the unconsolidated aquifer system in the region

(Scott, 2008). The Tipton Complex Aquifer System is characterized by unconsolidated deposits

that are quite variable in materials and thickness. Aquifers in the system range from thin to thick

and include multiple intra-till sands and gravels. The total unconsolidated thickness of the

Tipton Complex Aquifer System generally ranges from about 200 ft to over 400 ft in Clinton

County. The Tipton Complex Aquifer System is generally not susceptible to contamination

because it is typically overlain by thick clay deposits. However, in places where surficial clay

thickness is thin or absent the aquifer system is at moderate to high risk from surface

contamination.

Seven wells were identified on the federal USGS database within a 1-mile radius of the Site

(EDR, 2011). The closest public water supply system to the Site is located 0.5 to 1 mile east-

southeast and serves a population of 25. Thirty-eight wells were identified on the state database

within a 1-mile radius of the Site. Groundwater supplies 100 percent (%) of the drinking water

supply in the City of Frankfort, and is pumped from nine different wells located in two nearby

aquifers. One aquifer is 100 to 120 ft bgs and the other is 280 to 300 ft bgs (Frankfort Water

Works, 2012).

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1.2.5 Surface Water

The Site is located within the Wildcat Creek Watershed. Stormwater runoff on the Site is

diverted through drains that empty into Blinn Creek, approximately 0.7 mile northwest of

Tract A. Blinn Creek flows into the South Fork Wildcat Creek approximately 2.0 miles north of

the Site. Waterways are also present approximately 0.4 and 0.5 mile to the south and east of the

Site, respectively.

1.3 RECOGNIZED ENVIRONMENTAL CONDITIONS

Based on the Final Phase I ESA Report, prepared by WESTON (2012), the following RECs were

identified at the Site:

 Historic petroleum storage and loading operations are considered a REC for the Site. Six total leaking underground storage tanks (LUST) containing gasoline, diesel, and used oil

have been confirmed on the Site. Aboveground storage tank (AST) secondary containments and foundations were observed in three locations during the reconnaissance

of which no record of registration or removal was located. An oil warehouse was

identified on historical Sanborn maps in two locations on the Site.

• Historic transformer storage is considered a REC for the Site as a result of the possibility

of leaks of polychlorinated biphenyl (PCB) containing oils.

A water treatment plant was formerly located on the Site. Historic contaminant releases

from the water treatment operations are possible.

• Suspect asbestos containing material (ACM) was visible at numerous locations during the Site reconnaissance for the Phase I ESA. ACM is considered a REC because significant

renovations will be necessary to allow the proposed future use of the Site.

• Peeling paint was evident in the Site buildings. Based on the age of the buildings,

suspect lead-based paint is present at the Site. The lead-based paint is considered a REC

because of the proposed demolition/renovation operations to be conducted at the Site.

• Off-site RECs:

- The NSRC railyard adjacent to the west is considered a REC for the Site as a result of groundwater contamination associated with a 1,000-gallon diesel LUST and from

former fueling operations.

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- The Winski Brothers, Inc., adjacent to the Site, received a warning letter from IDEM requiring cleanup of soil contaminated with oil.

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- The former Indiana Brass site, adjacent to the Site, is a former brass foundry where spills of heating oil have been reported, two underground storage tanks have been removed, and confirmed volatile organic compound (VOC), metal, and polycyclic aromatic hydrocarbon (PAH) contamination is present in groundwater. In 2010, the property's structures were demolished and metal-contaminated soil was excavated.
- Petro Plus Food Mart/Bulk no. 2725, less than 1/8 mile to the south of the Site has four reported LUST incidences.
- Stevenson's Fabricare/Stevenson's Brother's Cleaner located less than 1/4 mile from the Site to the east-southeast, spilled an unspecified amount of unspecified substance. Records indicate that this property contained an 800-gallon tetrachloroethene storage tank.

Based on historical property uses and RECs listed above, the potential soil contaminants at the Site are VOCs, semivolatile organic compounds (SVOC), total petroleum hydrocarbons (TPH), PCBs, and metals. Asbestos is considered a potential contaminant because suspect ACM was visible at numerous locations during the Phase I ESA site reconnaissance. The potential groundwater contaminants are considered to be the same as the potential soil contaminants because of possible migration from surface soils to the groundwater.

1.4 POTENTIAL SOURCES, MIGRATION PATHWAYS, AND EXPOSURE ROUTES

Based on historical Site use and RECs, the primary sources of contamination are likely derived from potential historical releases of contaminants from: (1) locomotive maintenance operations, (2) petroleum storage and loading operations, (3) the former water treatment plant operations, (4) transformer storage operations, and (5) LUSTs on adjacent off-site properties. Leaching of contaminants from surface soils to subsurface soils, leaching of soil contaminants to shallow groundwater underlying the Site, and migration of contaminants in groundwater off-site each represent potential migration pathways at the Site. Potential exposure pathways of contaminants include ingestion of contaminants in soil, inhalation of airborne soil contaminants, ingestion of groundwater, and inhalation of constituents volatilized from soil and groundwater.

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2. FIELD ACTIVITIES

This section presents a description of the Site characterization field activities. WESTON's site

characterization activities were conducted in accordance with the approved site-specific QAPP

Addendum and SAP. Field activities included soil boring and soil sample collection, x-ray

fluorescence (XRF) surface soil screening, monitoring well installation and development,

groundwater sampling, and surveying. Appendix B provides photographic documentation.

2.1 SITE-SPECIFIC SAMPLING AND ANALYSIS PLAN

The complete site-specific QAPP Addendum and SAP were prepared for, and approved by, the

U.S. EPA, with input from the Clinton County Chamber of Commerce/Economic Development.

The site-specific QAPP Addendum and SAP contain a description of the project sampling

objectives; summarize the types, quantities, and locations of samples collected; and describe the

decontamination, sample packaging, and shipment procedures. The laboratory procedures and

analytical requirements for the sampling are provided in the Generic QAPP and site-specific

QAPP Addendum. Standard operating procedures for drilling, sampling, and well installation

are presented in the Generic QAPP.

The sampling program included the collection and analysis of soil, groundwater, and suspect

ACM samples. The overall objective of the field activities was to determine the presence (and if

possible the nature and extent) of contamination in soil and groundwater at the Site, and to

determine the presence (and if possible) nature and extent of suspected ACM in Site building

materials. The field investigation objectives were achieved through advancement of soil borings,

XRF surface soil screening, installation of monitoring wells, and collection of soil and

groundwater samples. The following sections document the soil, groundwater, and ACM

investigations.

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2.2 SOIL INVESTIGATION

2.2.1 Soil Boring Investigation

WESTON and subcontractor SCS Environmental Contracting, Inc. used a direct push Geoprobe® track-mounted rig to advance 13 soil borings, FR-SB01 through FR-SB10, and FR-SB12 through FR-SB14 to 2-ft below the groundwater table if encountered at less than 12-ft bgs, or refusal. Figure 2-1 provides the locations of the soil borings. Soil was collected at 4-ft intervals using dual core samplers. The soil boring at location FR-SB11 was advanced using a hand auger within an open area in the floor of the outbuilding no. 3 and only a surface soil sample (0 to 6 inches bgs) was collected. A qualified WESTON geologist inspected each soil core and observations were recorded in a soil boring log using the Unified Soil Classification System. Soil descriptions were recorded onto a WESTON boring log to create a detailed record of the lithology and potential contaminant characteristics of each boring. Descriptions were provided of any fill materials, odors, discoloration, or staining suggesting the presence of contamination. In accordance with the SAP, each 2-ft depth interval was field screened for VOCs by placing a section of the 2-ft interval into a plastic, Ziploc®-style bag, allowing contents to volatilize, then screening for VOCs using a MultiRAE photoionization detector. Field screening results were recorded onto the boring logs. Appendix C provides the soil boring logs.

All soil samples collected from soil cores were submitted under chain of custody to a WESTON-procured laboratory, Accutest Laboratories of New England, Inc. in Marlborough, Massachusetts. All soil samples were analyzed for VOCs, SVOCs, and metals. Soil samples collected at locations in the vicinity of outbuilding no. 3 (a former transformer storage building) and the former wastewater treatment plant were also analyzed for PCBs. Soil samples collected in the vicinity of former ASTs, former LUSTs, near the former water treatment plant, and areas where suspect petroleum hydrocarbons were present were also analyzed for TPHs as gasoline range organics (GRO), extended range organics (ERO) (which includes diesel range organic, extractable petroleum hydrocarbons (EPH), and volatile petroleum hydrocarbons (VPH). A total of 42 investigative soil samples were collected from the 14 soil sampling locations. A summary I:\WO\START3\1693\45235RPT.docx

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of the sampling including the sampling identification, sampling horizon, sampling purpose, and

analytical parameters is presented in **Table 2-1**.

In accordance with the approved site-specific health and safety plan, all soil sampling activities

were conducted in Level D personal protective equipment. Fresh sampling gloves were donned

before sampling activities began at each new location and for each sample to avoid cross

contamination. Non-dedicated sampling equipment was decontaminated between locations using

an Alconox wash and potable water rinse. All water collected during decontamination activities

was collected and containerized at the Site. All soil cuttings generated during soil boring

activities were containerized in 55-gallon drums. Composite soil cuttings sample FR-IDW01-

101212 was submitted to Accutest Laboratories and analyzed for disposal parameters including

toxicity characteristic leaching procedure (TCLP) VOCs, TCLP SVOCs, TCLP metals,

flashpoint, and pH. At the time of this report, the containerized waste has been staged in a

secure location at the Site and is awaiting transportation off-site as non-hazardous waste.

2.2.2 Surface Soil XRF Survey

On October 11, 2012, WESTON conducted a XRF survey of surface soil at the Site. The survey

was conducted to determine Site areas where metals (specifically arsenic and lead) in surface soil

were of concern and may require further evaluation. Due to historical information regarding

neighboring properties and past use of the Site, a 100-ft staggered sampling grid was used to

develop the sampling design for metals via XRF. Sixty-seven sampling locations were planned.

Locations within the footprint of Site buildings that were not accessible were moved, where

possible; XRF readings were not collected at locations 25, 30, 37, 40, 41, 47, and 48 due to

building obstructions. **Figure 2-1** provides the locations of the 60 XRF screening locations.

During the XRF screening process, vegetation was pulled back and rocks removed to expose

surface soil. The soil sample was collected from the 0 to 6 inch bgs interval and placed into a

Ziploc bag. The XRF device was then held flush to the bag and the reading was taken.

Screening results were recorded on field sheets.

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Surface soil from seven XRF screening locations was also submitted to Accutest Laboratories for

analysis of total metals to verify the precision of the XRF screening. Table 2-1 provides the

sampling identification, sampling horizon, and analytical parameters.

The results of the laboratory confirmatory analysis and XRF analyses were evaluated with a least

squares linear regression analysis. The correlation coefficient (r) for the results should be 0.7 or

greater for the XRF data to be considered screening level data. If the r is 0.9 or greater, statistics

indicate the XRF data and the confirmatory data are statistically equivalent at a 99% confidence

level, and the data could potentially meet definitive level data criteria (U.S. EPA, 2007). The

results of the linear regression evaluation are discussed in **Section 3.1.3**.

2.2.3 Site Lithology

The surface stratigraphy generally consists of a sandy silt layer to a maximum depth of 4 ft

bgs. This sandy silt layer is primarily composed of fine to medium grained sand with some to

trace gravel, and occasionally contains fill materials. Immediately underlying the sandy silt

layer is medium plastic, gray and brown clay glacial till layer, occasionally containing trace

gravel or sand. Discontinuous seams of sand, silt, and gravel were noted throughout the clay

glacial till unit. These units are 1 to 3 ft thick. At one location, FR-SB01, the maximum boring

depth was sufficient to characterize the thickness of the clay glacial till layer where a fine to

coarse grained, well graded, sand layer was observed. The top of this layer was encountered at

21 ft bgs.

The generalized Site geology is depicted on two cross-sections based on WESTON's geologic

investigation. Figure 2-2 presents the locations of the geologic cross-sections. Figures 2-3,

Figure 2-4 and Figure 2-5 present cross-sections A-A,' B-B,' and C-C,' respectively. Boring

logs are presented in **Appendix C**.

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2.3 GROUNDWATER INVESTIGATION

The groundwater investigation consisted of the installation, development, and groundwater sampling of six monitoring wells, FR-MW01 through FR-MW06. **Figure 2-1** presents the monitoring well locations.

2.3.1 Monitoring Well Design, Installation, Development, and Surveying

On October 9 and 10, 2012, WESTON subcontractor SCS Environmental Contracting, Inc. performed monitoring well installation and development. Monitoring wells were constructed of 2-inch diameter flush-threaded polyvinyl chloride riser pipe and 0.010-inch slotted screen. A 10 ft screen was used for well construction and was located in such a manner as to straddle the inferred water table. A silica sand pack was placed in the borehole annulus around the well screen to a height of 2 ft above the top of the screen. The remainder of the borehole annulus was filled with bentonite pellet/chips seal placed directly above the sand pack. **Appendix C** provides the monitoring well construction diagrams.

A flush-mounted outer protective cover was set in a concrete pad (approximately 2 ft in diameter), which was sloped to divert rainwater away from the protective cover. The monitoring wells were developed approximately 24 hours after installation. Well development was conducted using a submersible pump. During the development process the well was alternatively surged with the pump and then purged of groundwater. Purged groundwater generated during monitoring well development, as well as sampling activities was containerized in 55-gallon drums. At the time of this report, the waste has been staged in a secure location at the Site and is awaiting transportation off-site as a non-hazardous waste.

On October 11, 2012, WESTON collected depth to groundwater measurements from FR-MW01 through FR-MW06. The accuracy of all vertical field measurements was +/- 0.01 ft. Each of the soil borings and monitoring well locations was surveyed by WESTON using a Trimble Pro XR global positioning system for lateral control. The accuracy of the lateral field survey measurements was approximately +/- 3 ft. On October 12, 2012, Hause Surveying & I:\WO\START3\1693\45235RPT.docx

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Engineering of Lebanon, Indiana, an Indiana Licensed Surveyor, surveyed the newly installed

monitoring well locations for vertical control. Each monitoring well was surveyed at the ground

surface and at a marked reference point on the inner well casing.

2.3.2 Groundwater Sampling and Analysis

On October 11 and 12, 2012, WESTON collected groundwater samples from FR-MW01 through

FR-MW06. Monitoring wells were sampled at least 24 hours after well development. In order to

obtain samples that are representative of aquifer conditions, groundwater samples were obtained

using a low-flow purging and sampling technique. Each well was purged at a rate of

approximately 100 milliliters per minute using a bladder pump until field parameters indicated

groundwater conditions to be stable. Field measurements (specific conductance, pH, oxidation-

reduction potential [ORP], temperature, dissolved oxygen [DO], and turbidity) were obtained at

five-minute intervals. Groundwater sampling commenced once stabilization was achieved for

three consecutive readings, pH (± 0.1 standard units), specific conductance (± 3%), ORP (± 10

millivolts), DO (± 0.3 milligrams per liter), temperature (± 0.5 degrees Celsius, turbidity (±

10%). **Table 2-2** presents the field parameters collected during monitoring well purging.

Groundwater samples were analyzed for VOCs, SVOCs, PCBs, and metals. Groundwater

samples were submitted under chain of custody to Accutest Laboratories. Field duplicates were

collected for quality assurance/quality control purposes in accordance with the SAP. Table 2-1

presents the sampling and analysis summary.

2.3.3 Site Hydrogeology

Monitoring well FR-MW01 is screened from 14 to 24 ft bgs across clay (14 to 21 ft bgs) and

sand (21 to 24 ft bgs). Monitoring well FR-MW02 is screened from 9 to 19 ft bgs across clay

with a sand seam at 17 to 18.5 ft bgs. Monitoring well FR-MW03 is screened from 7 to 17 ft bgs

across sandy silt (7 to 8.5 ft bgs) and clay (8.5 to 17 ft bgs). Monitoring well FR-MW04 is

screened from 8 to 18 ft bgs across a clay layer. Monitoring well FR-MW05 is screened from 6

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to 16 ft bgs across a clay layer. Monitoring well FR-MW06 is screened from 10 to 20 ft bgs

across clay with a sand seam at 15 to 19 ft bgs.

The hydrogeology beneath the Site consists of saturated zones located primarily within coarse-

grained (sand or gravel) seams, which are embedded within a fine-grained (silt or clay) till unit.

The extent and interconnectedness of the seams is unknown; however, it is likely that the

saturated zones encountered during the investigation are localized and not hydraulically

connected. The well-graded sand encountered at the termination of boring FR-SB01 may

represent a more prevalent saturated zone; however, this is the only boring advanced to a depth

great enough to encounter this zone.

Table 2-3 presents depth to groundwater measurements, top of casing elevations, and resulting

groundwater elevations for each of the six monitoring wells. Figure 2-6 presents the

groundwater elevations and potentiometric surface map created based on data collected at the six

monitoring wells. The potentiometric surface indicates that a westerly groundwater flow

direction is expected; however, this is predicated on the assumption that this map represents a

single hydrostratigraphic unit.

Based on the boring logs, some of the saturated zones appear to be under confined conditions

(e.g., in FR-MW01 and FR-MW04), and some appear to be unconfined (e.g., in FR-MW05). In

monitoring wells FR-MW02 and FR-MW03, two distinct saturated zones were encountered. The

upper-most zone appears to be a perched zone and the second zone may be confined. In both of

these wells, the well screen straddles both the perched and the deeper saturated zones. This local

(Site) hydrogeology indicates that groundwater beneath the Site is likely to have an overall

westerly flow direction, but may follow complex paths based on the presence or lack of coarse-

grained seams and their interconnection.

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2.4 FACILITY ASSESSMENT AND ASBESTOS SURVEY

A facility assessment was conducted in order to identify locations and quantities of friable and

non-friable suspected ACM. ACM sampling was focused on roofing materials (from sections

that have fallen), pipe insulation, window caulk, floor tile, and other interior finishes in the field

office building, outbuilding no. 1, outbuilding no. 2, outbuilding no. 3, and the roundhouse

building. Based on the results of the facility assessment, 65 bulk samples of suspected ACM

were collected for asbestos analysis. Samples were collected in areas that are structurally sound.

The facility assessment and ACM sampling were conducted by a WESTON Asbestos Inspector

certified to perform ACM building inspections and trained per requirements of the U.S. EPA

Model Accreditation Plans. Field sampling for ACM complied with the U.S. EPA's National

Emission Standard for Hazardous Air Pollutants regulation. Duplicate samples were not

required for asbestos sample analysis. Samples were collected following the procedures outlined

in the approved SAP.

Asbestos bulk samples were submitted to STAT Analysis Corporation located in Chicago, Illinois,

which is accredited by the National Institute of Standards and Technologies National Voluntary

Laboratory Accreditation Program to perform bulk asbestos analysis. The bulk samples were

analyzed using polarized light microscopy with dispersion staining. This method identifies the

asbestos type present in a material and quantifies the percentage of asbestos in the sample. The

detection limit for this analysis is <1%.

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3. ANALYTICAL RESULTS

3.1 SOIL ANALYTICAL RESULTS

Soil analytical results for VOCs, SVOCs, PCBs, and metals were compared to IDEM's 2012 residential direct contact screening levels. Soil direct contact screening levels assume exposure via ingestion, dermal contact, and inhalation of volatiles and particulates. Soil analytical results for TPH GRO and TPH ERO were compared to IDEM's 2006 (revised June, 2010) TPH nondefault residential direct contact closures levels. Soil analytical results for TPH VPH and TPH EPH fractions were summed and compared to IDEM's 2006 (revised June, 2010) maximum allowable TPH concentration in soil for closure using a nondefault closure level.

Soil sampling analytical results indicated the presence of VOCs, SVOCs, metals, and TPH at concentrations above the method detection limits. PCBs were not detected at concentrations above the method detection limits and VOCs were not detected above the risk based screening levels in any of the soil samples collected. Soil sampling analytical results are provided in **Tables 3-1** and **3-2** for the organic and inorganic constituents, respectively. These tables solely present the results of detected constituents. These tables also include shading to identify concentrations that exceeded IDEM screening levels. Soil sampling analytical results were reviewed and validated in accordance with applicable U.S. EPA procedures. **Appendix D** provides copies of the data validation reports and validated analytical laboratory data.

Six PAHs (benzo[a]anthracene, benzo[a]pyrene, benzo[b]fluoranthene, benzo[k]fluoranthene, dibenzo[a,h]anthracene, and indeno[1,2,3-cd]pyrene) and seven metals (antimony, arsenic, iron, lead, manganese, mercury, and thallium) were detected at concentrations above the IDEM residential direct contact screening levels at several locations throughout the Site. The sum of TPH VPH and TPH EPH fractions and TPH ERO exceeded the maximum allowable TPH concentration in soil for closure using a nondefault closure level at one location.

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3.1.1 Nature and Extent of PAH Contamination

Table 3-1 provides the soil sampling analytical results for detected constituents. Figure 3-1

presents the concentrations of the PAHs that exceed IDEM residential direct contact screening

levels. The results are discussed by area of the Site below.

3.1.1.1 Tract A

Soil samples were collected from 11 borings within Tract A. PAHs were detected at

concentrations exceeded screening levels at sampling locations FR-SB02, FR-SB06, FR-SB08,

FR-SB09, FR-SB11, and FR-SB13. The highest PAH concentrations were detected in

subsurface soil collected from 5.5 to 7.5 ft bgs at sampling location FR-SB09 advanced in the

footprint of the demolished portion of the roundhouse building. PAHs were not detected in the

subsurface soil sample collected from 9 to 11 ft bgs at this location.

Borings FR-SB02 and FR-SB08 were advanced to the north of the roundhouse building. PAH

concentrations exceeding screening levels were detected in the surface soil (0 to 1 ft bgs)

samples collected at these two locations. Subsurface soil samples collected from 4 to 6 ft bgs at

FR-SB02 and 6 to 8 ft bgs at FR-SB08 did not contain PAH concentrations in excess of

screening levels.

Benzo(a)pyrene was detected at a concentration exceeding the screening level in the surface soil

(0 to 1 ft bgs) sample collected at FR-SB06 in the southwest corner of Tract A. Benzo(a)pyrene

was not detected in the subsurface soil sample collected from 6 to 8 ft bgs at this location. PAHs

were also detected at concentrations exceeding screening levels in the soil collected at FR-SB11

from the floor of outbuilding no. 3, the former transformer storage building. Subsurface soil

samples were not collected at this location; thus, the extent of contamination is not vertically

defined.

Benzo(a)pyrene was detected at concentrations exceeding its screening level in surface and

subsurface soil samples collected at location FR-SB13 advanced in the area of the former water

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treatment plant and sludge basins in the southeast corner of Tract A. Benzo(a)pyrene exceeded

the screening level in the deepest soil sample collected at this location, 9 to 11 ft bgs. Thus, the

extent of PAH contamination is not vertically defined at this location.

The lateral extent of PAH contamination has not been defined at Tract A.

3.1.1.2 Tract B

Soil samples were collected from one boring, FR-SB05, within Tract B. Benzo(a)anthracene,

benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, dibenzo(a,h)anthracene, and

indeno(1,2,3-cd)pyrene concentrations exceeded screening levels in the surface soil sample

collected from 0 to 1 ft bgs. Subsurface soil samples collected from 2 to 4 and 5 to 7 ft bgs did

not contain PAH concentrations in excess of screening levels. PAH contamination at this

location is limited to the upper 2 ft of soil. The lateral extent of PAH contamination has not been

defined at Tract B.

3.1.1.3 Tract C

Soil samples were collected from two borings, FR-SB01 and FR-SB14, within Tract C.

Benzo(a)pyrene was detected at concentrations exceeded the screening level in the surface soil

samples collected at both locations. Benzo(a)pyrene contamination at concentrations exceeding

screening levels is vertically defined by the subsurface sample collected from 4.5 to 5.5 ft bgs at

FR-SB01 and the subsurface sample collected from 7 to 9 ft bgs at FR-SB14. The lateral extent

of PAH contamination has not been defined at Tract C.

3.1.2 Nature and Extent of TPH Contamination

As presented on Figure 3-2, TPH ERO was detected at FR-SB11 (0 to 0.5 ft bgs) at a

concentration of 58,400 milligrams per kilogram (mg/kg) exceeding the TPH nondefault

residential direct contact closures level of 3,100 mg/kg. Also, the sum of TPH VPH and TPH

EPH fractions at FR-SB11 exceeded the maximum allowable TPH concentration of 10,000,000

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micrograms per kilogram (µg/kg) at a concentration of 13,412,540 µg/kg. Subsurface soil

samples were not collected at FR-SB11 which was collected from exposed soil inside

outbuilding no. 3, the former transformer storage building. The extent of TPH contamination is

not defined within the area of outbuilding no. 3.

3.1.3 Nature and Extent of Metals Contamination

Tables 3-2 and **3-3** provide the soil sampling analytical results for laboratory and XRF metals

data, respectively. Surface and subsurface soil samples were analyzed for metals at all 14 boring

locations. Additionally, surface soil from seven XRF screening locations were submitted for

laboratory analysis of total metals, TCLP metals, and pH. XRF readings for arsenic and lead

were collected at 60 surface soil (0-1 ft bgs) sampling locations across the Site. Figure 3-3

presents the concentrations of the metals laboratory analytical results that exceed IDEM

residential direct contact screening levels. Figures 3-4 and 3-5 present laboratory and XRF data

for arsenic and lead in surface soil, respectively. The results are discussed by area of the Site

below.

3.1.3.1 Tract A

Soil samples for metals laboratory analysis were collected from 11 borings and five XRF

locations, FR-XRF34, FR-XRF43, FR-XRF57, FR-XRF61 and FR-XRF62, within Tract A.

XRF readings were collected at 29 locations. Antimony, arsenic, lead, manganese, mercury, and

thallium were detected at concentrations exceeding screening levels in at least one sample

collected from Tract A.

Antimony was detected at a concentration of 56.5 mg/kg in the surface soil sample collected at

FR-SB12 exceeding the residential screening level of 43 mg/kg. Antimony was not detected in

subsurface soil collected at sampling location FR-SB12.

Arsenic was detected in surface soil at 11 of the 16 sampling locations at concentrations

exceeding the residential screening level of 5.5 mg/kg. Laboratory arsenic concentrations in

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excess of the screening level ranged from 5.7 to 20.1 mg/kg at 10 of the 11 sampling locations.

The maximum arsenic concentration in surface soil was 986 mg/kg at FR-XRF62 located in the

northeast corner of Tract A. Arsenic was also detected at concentrations exceeding the screening

level in subsurface soil at nine of the boring locations at concentrations ranging from 5.9 to 18.2

mg/kg. Figure 3-3 presents the surface and subsurface soil laboratory analytical results for

arsenic concentrations exceeding the residential screening level. Appendix E presents the XRF

field screening results graphically compared to the laboratory analytical results. Since the

measured concentrations spanned more than one order of magnitude, the data was log-

transformed to standardize the variance which is proportional to the magnitude of measurement.

The arsenic XRF and laboratory data did not have a good correlation (r = 0.43). The XRF data

appear to be biased high. **Figure 3-4** presents the surface soil laboratory and XRF arsenic data.

The data on **Figure 3-4** is displayed in concentration ranges including concentrations above the

residential screening level of 5.5 mg/kg and the industrial screening level of 16 mg/kg. Arsenic

contamination at Tract A is not laterally or vertically defined.

Lead was detected in surface soil at concentrations exceeding the residential screening level of

400 mg/kg at five sampling locations where data was collected for laboratory analysis, FR-SB06

(512 mg/kg), FR-SB08 (700 mg/kg), FR-SB11 (14,800 mg/kg), FR-SB12 (1,300 mg/kg), and

FR-SB13 (437 mg/kg). Lead did not exceed the residential screening level in subsurface soil

collected from Tract A. Figure 3-3 presents the surface and subsurface soil laboratory analytical

results for lead concentrations exceeding the residential screening level. Appendix E presents

the XRF field screening results graphically compared to the laboratory analytical results. The

lead XRF and laboratory data correlated well (r = 0.92). Figure 3-5 presents the surface soil

laboratory and XRF lead data. The data on Figure 3-5 is displayed in concentration ranges

including concentrations above the residential screening level of 400 mg/kg and the industrial

screening level of 1,300 mg/kg.

Manganese was detected at a concentration of 5,470 mg/kg in the subsurface soil sample

collected at FR-SB03 at a depth of 7 to 9 ft bgs exceeding the residential screening level of

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2,500 mg/kg. The soil sample collected at FR-SB03 from 13 to 15 ft bgs did not contain

manganese at a concentration exceeding the screening level.

Mercury was detected at a concentration of 8.3 mg/kg in the surface soil sample collected at

FR-SB13 exceeding the residential screening level of 3.1 mg/kg. FR-SB13 was advanced in the

area of the former water treatment plant and sludge basins in the southeast corner of Tract A.

Mercury was not detected at concentrations exceeding the screening level in subsurface soil.

Thallium was detected at a concentration of 1.6 mg/kg in the surface soil sample collected at

FR-SB12 exceeding the residential screening level of 1.1 mg/kg. Thallium was not detected in

subsurface soil at sampling location FR-SB12. Thallium was also detected at a concentration of

2.1 mg/kg in the surface soil collected at FR-XRF62 exceeding the screening level. Subsurface

soil was not collected at sampling location FR-XRF62.

3.1.3.2 Tract B

Soil samples for metals laboratory analysis were collected from one boring within Tract B. XRF

readings were collected at five locations. Arsenic is the only constituent detected at

concentrations exceeding screening levels for any of the samples collected on Tract B. Arsenic

was detected at concentrations exceeded the residential screening level of 5.5 mg/kg in surface

and subsurface soil samples collected at boring location FR-SB05. Arsenic concentrations at

FR-SB05 ranged from 6.9 to 11.5 mg/kg and exceeded the screening level at all three intervals

sampled. Arsenic was also detected at XRF surface screening location FR-XRF-63 at 12 m/kg,

exceeding the screening level. However, as previously mentioned, the arsenic XRF data did not

correlate well with the laboratory results and may be biased high. Figure 3-3 presents the

surface and subsurface soil laboratory analytical results for arsenic concentrations exceeding the

residential screening level. **Figure 3-4** presents the surface soil laboratory and XRF arsenic data.

The extent of arsenic contamination at Tract B is not laterally or vertically defined.

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3.1.3.3 Tract C

Soil samples for metals laboratory analysis were collected from two borings, FR-SB01 and FR-SB14, and two XRF locations, FR-XRF13 and FR-XRF01, within Tract C. XRF readings were collected at 26 locations. Arsenic, iron, and lead were detected at concentrations exceeding screening levels.

Arsenic was detected in surface soil at the four sampling locations at concentrations ranging from 9.1 to 27.3 mg/kg exceeding the residential screening level of 5.5 mg/kg. Arsenic was also detected at concentrations exceeding the screening level in subsurface soil at both boring locations where subsurface soil samples were collected. **Figure 3-3** presents the surface and subsurface soil laboratory analytical results for arsenic concentrations exceeding the residential screening level. **Figure 3-4** presents the surface soil laboratory and XRF arsenic data. The data on **Figure 3-4** is displayed in concentration ranges including concentrations above the residential screening level of 5.5 mg/kg and the industrial screening level of 16 mg/kg. Arsenic contamination at Tract C is not laterally or vertically defined.

Iron was detected in surface soil collected at sampling location FR-XRF01 at a concentration of 158,000 mg/kg exceeding the residential screening level of 77,000 mg/kg. Subsurface soil samples were not collected at FR-XRF01; thus the iron contamination at this location is not vertically defined.

Lead was detected in surface soil at concentrations exceeding the residential screening level of 400 mg/kg at three of the four sampling locations. Lead in surface soil at Tract C ranged from 840 to 2,290 mg/kg. Lead was not detected at concentrations exceeding screening levels in subsurface soil at the two borings locations where subsurface soil samples were collected. **Figure 3-3** presents the surface and subsurface soil laboratory analytical results for lead concentrations exceeding the residential screening level. **Figure 3-5** presents the surface soil laboratory and XRF lead data. The data on **Figure 3-5** is displayed in concentration ranges including concentrations above the residential screening level of 400 mg/kg and the industrial

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screening level of 1,300 mg/kg. The highest lead concentrations in surface soil are located in the

south half of Tract C. Lead contamination at Tract C is not laterally or vertically defined.

3.2 GROUNDWATER ANALYTICAL RESULTS

Groundwater analytical results were compared to IDEM's 2012 residential tap water screening

levels. Residential tap water screening levels account for exposure through ingestion of water,

dermal contact with water, and inhalation of volatiles arising from groundwater use. Groundwater

sampling analytical results indicated the presence of VOCs, SVOCs, PCBs, and metals at

concentrations above the method detection limits. One SVOC (bis[2-ethylhexyl]phthalate) and

three metals (arsenic, iron, and manganese) were detected at concentrations above the IDEM

residential tap water screening levels.

Table 3-4 provides the groundwater sampling analytical results for detected constituents.

Table 3-4 also includes shading to identify concentrations that exceeded IDEM residential tap

water screening levels. Figure 3-6 presents the concentrations that exceed IDEM screening

levels.

Bis(2-ethylhexyl)phthalate was detected in groundwater at FR-MW01 (located on Tract C) at a

concentration of 6.9 micrograms per liter (µg/L) exceeding the screening level of 6 µg/L.

Arsenic was detected at FR-MW01 (11.9 and 12.5 µg/L) and FR-MW02 (located on Tract A)

(12.5 µg/L) exceeding the screening level of 10 µg/L. Iron was detected at FR-MW01 at a

concentration of 11,700 µg/L in both the investigative and duplicate sample exceeding the

screening level of 11,000 µg/L. Manganese was detected at concentrations exceeding the

screening level of 320 µg/L at FR-MW01 (1,490 and 1,480 µg/L), FR-MW02 (2,120 µg/L), FR-

MW04 (located on Tract A) (409 µg/L), and FR-MW05 (located on Tract B) (369 µg/L). The

nature and extent of groundwater contamination has not been delineated for the Site based on the

results of this Phase II investigation.

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3.3 ASBESTOS ANALYTICAL RESULTS

Asbestos was detected in two materials sampled from the yard office building on Tract C and one material from outbuilding no. 3, and three materials from the roundhouse building located on Tract A. Asbestos was not detected in sampled materials from outbuilding no. 2. No suspect ACM was observed at outbuilding no. 1.

At the yard office building, chrysotile (1 to 5%) was detected in 9-inch by 9-inch floor tile and in roof shingles above a drop ceiling. At outbuilding no. 3, asbestos (5 to 10% chrysotile) was detected in asphalt roofing sheeting found in a debris pile. At the roundhouse building, asbestos was detected in asphalt roofing shingles (5 to 10% chrysotile) in a debris pile on the south side of the roundhouse; in pipe insulation (10 to 15% chrysotile) in debris piles below exterior pipes on the south side of the roundhouse; and in pipe insulation (10 to 15% chrysotile) inside the roundhouse. **Table 3-5** presents a summary of the results of all materials sampled during the asbestos sampling event and provides quantities of the materials observed during the survey.

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4. CONCLUSIONS AND RECOMMENDATIONS

Soil sampling analytical results from the October 2012 sampling event indicated the presence of six PAHs (benzo[a]anthracene, benzo[a]pyrene, benzo[b]fluoranthene, benzo[k]fluoranthene, dibenzo[a,h]anthracene, and indeno[1,2,3-cd]pyrene) and seven metals (antimony, arsenic, iron, lead, manganese, mercury, and thallium) in Site soil at concentrations above the IDEM residential direct contact screening levels. Soil sampling results also indicated that TPH ERO and the sum of TPH VPH and TPH EPH fractions exceeded the maximum allowable TPH concentration in soil for closure using a nondefault closure level.

The locations of the samples with PAHs detected in surface soil at concentrations exceeding the IDEM residential screening levels were distributed across the Site and the lateral extent of PAH contamination has not been defined. PAHs also exceeded screening levels in subsurface soil collected at two locations. The highest PAH concentrations were detected in subsurface soil collected in the footprint of the demolished portion of the roundhouse building. PAHs also exceeded residential screening levels in subsurface soil collected in the area of the former water treatment plant and sludge basins. PAH contamination may be contributed to historical on-site and nearby industrial use of coal, oil, diesel fuel, and other organic substances. PAH contamination was identified in subsurface soil in areas of the Site that were artificially filled or altered for manmade structures

The sum of concentrations exceeded the maximum allowable TPH concentration in soil at one location, located inside outbuilding no. 3, the former transformer storage building. The extent of TPH contamination is not defined within the area of outbuilding no. 3. TPH contamination at the Site is consistent with historic petroleum storage and loading operations. Six total LUSTs containing gasoline, diesel, and used oil have been confirmed on the Site. AST secondary containments and foundations were observed in three locations during the Phase I reconnaissance of which no record of registration or removal was located. Additionally, an oil warehouse was identified on historical Sanborn maps in two locations on the Site.

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Arsenic was detected in surface soil at concentrations exceeding the IDEM residential screening

level across the entire Site. The maximum arsenic concentration in surface soil was located in

the northeast corner of Tract A. Arsenic was also detected at concentrations exceeding the

residential screening level in subsurface soil at 12 of the 13 subsurface soil sampling locations.

Lead was detected in surface soil at concentrations exceeding the residential screening level in

the south portions of Tracts A and C and in areas near the roundhouse building. The highest lead

concentrations in surface soil are located in the southwest portion of Tract C and the soil

collected from within outbuilding no. 3. Lead did not exceed the residential screening level in

subsurface soil. Metal contamination may be attributed to the former industrial uses of the Site

and the lateral extent of contamination has not been defined.

Groundwater analytical results from the October 2012 sampling event indicated the presence of

one SVOC (bis[2-ethylhexyl]phthalate) and three metals (arsenic, iron, and manganese) at

concentrations exceeding the IDEM residential tap water screening levels.

ACM was considered a REC because significant renovations at the Site are necessary to allow

the proposed future use of the Site. ACM was confirmed in six building materials sampled at the

Site.

Based on the findings of this investigation, WESTON recommends the following steps in

determining the nature and extent of contamination at the Site prior to renovations or demolition

at the Site:

• Define the lateral and vertical extent of PAHs and metals in soil

• Characterize soil in inaccessible areas under existing building footprints

• Determine the potential hazardous characteristics of soil within outbuilding no. 3 where

elevated lead and TPH were detected

• Conduct a ground penetrating radar survey or other similar investigation to identify any

buried debris that may exist at the Site

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- Conduct a risk evaluation and develop site-specific remediation goals
- Evaluate potential remedial technologies
- Evaluate ACM abatement

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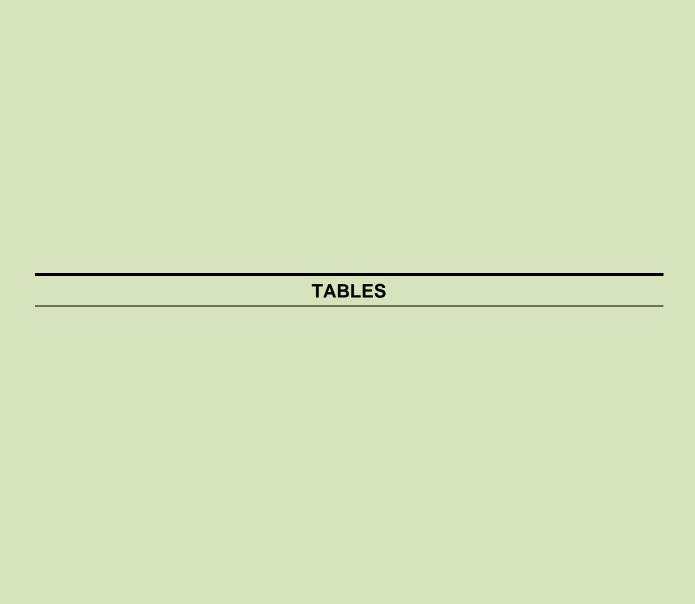


Table 2-1 Summary of Sampling Program – Soil and Groundwater Samples for Laboratory Analysis Frankfort Roundhouse Site Frankfort, Clinton County, Indiana

				Sampling Depth				Analytical P	arameter			
Sampling				Interval (feet								
Location			Sampling	below ground				TPH - GRO	EPH and		TCLP	
ID	Field Sample ID	Purpose	Date	surface)	VOCs	SVOCs	PCBs	and ERO	VPH	Metals	Metals	pН
Soil Sample		C (1			Т	1		1				
ED CD01	FR-SB01(0-1)-100912	Spatial	10/9/2012	0 - 1	X	X				X		
FR-SB01	FR-SB01(4.5-6.5)-100912 FR-SB01(8.5-10.5)-100912	characterization of Tract C	10/9/2012 10/9/2012	4.5 - 6.5 8.5 - 10.5	X	X				X		
	FR-SB02(0-1)-101012	Evaluate potential	10/9/2012	0 - 1	X X	X X		Х	X	X X		
FR-SB02		contamination from										
	FR-SB02(4-6)-101012 FR-SB02(7-9)-101012	former ASTs on	10/10/2012 10/10/2012	4 - 6 7 - 9	X	X		X	X	X		
-	FR-SB02(7-9)-101012	Tract A	10/10/2012	7 - 9	Х	X		X	X	X		
	FR-SB03(0-1)-100912	Evaluate potential contamination from	10/9/2012	0 - 1	Х	х	X	Х	х	X		
FR-SB03	FR-SB03(7-9)-100912	roundhouse and former transformer	10/9/2012	7 - 9	X	х	X	х	х	X		
	FR-SB03(13-15)-100912	building on Tract A	10/9/2012	13 - 15	Х	x	X	X	x	X		
	FR-SB04(0-1)-100912	Evaluate potential contamination from	10/9/2012	0 - 1	х	X	X	X	Х	Х		
FR-SB04	FR-SB04(10.5-12.5)- 100912	former water treatment plant in	10/9/2012	10.5 - 12.5	X	X	X	x	X	X		
	FR-SB04(13-15)-100912	southeast corner of Tract A	10/9/2012	13 - 15	X	X	X	X	X	X		
	FR-SB05(0-1)-101012	Evaluate potential	10/10/2012	0 - 1	х	X		X	X	X		
FR-SB05	FR-SB05(2-4)-101012	contamination on Tract B near former	10/10/2012	2 - 4	х	Х		Х	х	X		
	FR-SB05(5-7)-101012	LUSTs	10/10/2012	5 - 7	X	X		X	X	X		
	FR-SB06(0-1)-100912	Evaluate potential contamination from	10/9/2012	0 - 1	X	X		x	X	X		
FR-SB06	FR-SB06(6-8)-100912	former 1,000-gallon	10/9/2012	6 - 8	х	X		х	Х	Х		
FK-SB00	FR-SB06(8-10)-100912	gasoline LUST in southwest corner of	10/9/2012	8 - 10	x	X		X	X	X		
	FR-SB06(8-10)-100912D	Tract A	10/9/2012	8 - 10	X	X		X	X	X		
	FR-SB07(0-1)-101012	Evaluate potential contamination from former 10,000 gallon	10/10/2012	0 - 1	X	X		X	X	X		
FR-SB07	FR-SB07(6.5-8.5)-101012	diesel and 6,000 gallon used oil	10/10/2012	6.5 - 8.5	X	X		x	X	X		
	FR-SB07(10-12)-101012	LUSTs in northwest corner of Tract A	10/10/2012	10 - 12	X	X		X	X	X		

Table 2-1 Summary of Sampling Program – Soil and Groundwater Samples for Laboratory Analysis Frankfort Roundhouse Site Frankfort, Clinton County, Indiana

				Sampling Depth								
Sampling Location ID	Field Sample ID	Purpose	Sampling Date	Interval (feet below ground surface)	VOCs	SVOCs	PCBs	TPH - GRO	EPH and VPH	Metals	TCLP Metals	рН
		Evaluate potential										
	FR-SB08(0-1)-101012	contamination on	10/10/2012	0 - 1	X	X				X		
FR-SB08	FR-SB08(6-8)-101012	northern side of Roundhouse building	10/10/2012	6 - 8	X	X				X		
	FR-SB08(8-10)-101012	on Tract A	10/10/2012	8 - 10	X	X				X		
	FR-SB09(0-1)-101012	Evaluate potential contamination in area of demolished	10/10/2012	0 - 1	х	х		х	х	х		
FR-SB09	FR-SB09(5.5-7.5)-101012	portion of the	10/10/2012	5.5 - 7.5	X	X		X	X	X		
	FR-SB09(9-11)-101012	Roundhouse building on Tract A	10/10/2012	9 - 11	X	X		X	X	X		
	TK-3D09(9-11)-101012	Evaluate potential	10/10/2012	9-11	Λ	Λ		Λ	Λ	А		
	FR-SB10(0-1)-101012	contamination in area of demolished	10/10/2012	0 - 1	X	х		X	х	х		
FR-SB10	FR-SB10(5-7)-101012	portion of the Roundhouse building	10/10/2012	5 - 7	X	х		X	х	X		
	FR-SB10(9-11)-101012	and former AST on Tract A	10/10/2012	9 - 11	X	X		X	X	X		
FR-SB11	FR-SB11(0-0.5)-100912	Evaluate potential contamination inside former transformer building on Tract A	10/9/2012	0 - 0.5	X	X	X	x	X	X		
	FR-SB12(0-1)-101012		10/10/2012	0 - 1			**					
	· · · · · · · · · · · · · · · · · · ·	Evaluate potential		5- 7	X	X	X	X	X	X		
FR-SB12	FR-SB12(5-7)-101012	contamination near former transformer	10/10/2012		X	X	X	X	X	X		
	FR-SB12(5-7)-101012D	building and former	10/10/2012	5 - 7	X	X	X	Х	X	X		
	FR-SB12(10-12)-101012	AST on Tract A Evaluate potential	10/10/2012	10 - 12	X	X	X	х	X	Х		
	FR-SB13(0-1)-101012	contamination from former water	10/10/2012	0 - 1	X	х	X	X	х	Х		
FR-SB13	FR-SB13(5-7)-101012	treatment plant and sludge basins in	10/10/2012	5 - 7	X	X	X	X	X	Х		
	FR-SB13(9-11)-101012 FR-SB14(0-1)-101012	southeast corner of Tract A Spatial	10/10/2012 10/10/2012	9 - 11 0 - 1	X	X	X	X	X	X		
FR-SB14	FR-SB14(0-1)-101012 FR-SB14(7-9)-101012	characterization of	10/10/2012	7 - 9	X X	X X			 	X X		
I K DD17	FR-SB14(10-12)-101012	Tract C	10/10/2012	10 - 12	X	X				X		

Table 2-1 Summary of Sampling Program – Soil and Groundwater Samples for Laboratory Analysis Frankfort Roundhouse Site

Frankfort, Clinton County, Indiana

				Sampling Depth Analytical Parameter								
Sampling Location ID	Field Sample ID	Purpose	Sampling Date	Interval (feet below ground surface)	VOCs	SVOCs	PCBs	TPH - GRO and ERO	EPH and VPH	Metals	TCLP Metals	pН
	FR-XRF01-101112		10/11/2012	0 - 0.5						X	X	X
	FR-XRF13-101112		10/11/2012	0 - 0.5						X	X	X
	FR-XRF13-101112D		10/11/2012	0 - 0.5						X	X	X
XRF split	FR-XRF34-101112	Confirmation of xRF	10/11/2012	0 - 0.5						X	X	X
samples	FR-XRF43-101112	results	10/11/2012	0 - 0.5						X	X	X
	FR-XRF57101112		10/11/2012	0 - 0.5						X	X	X
	FR-XRF61-101112		10/11/2012	0 - 0.5						X	X	X
	FR-XRF62-101112		10/11/2012	0 - 0.5						X	X	X
		Total No	umber of Soil	Samples Analyzed	42	42	14	33	33	50	8	8
Groundwate	er Samples											
FR-MW01	FR-MW01-101212	Characterization	10/12/2012	14 - 24	X	X	X			X		
FK-WIWUI	FR-MW01-101212D	Duplicate Sample	10/12/2012	14 - 24	X	X	X			X		
FR-MW02	FR-MW02-101212	Characterization	10/12/2012	9 - 19	X	X	X			X		
FR-MW03	FR-MW03-101212	Characterization	10/12/2012	7 - 17	X	X	X			X		
FR-MW04	FR-MW04-101112	Characterization	10/11/2012	8 - 18	X	X	X			X		
FR-MW05	FR-MW05-101112	Characterization	10/11/2012	6 - 16	X	X	X			X		
FR-MW06	FR-MW06-101112	Characterization	10/11/2012	10 - 20	X	X	X			X		
		Total Number of G	Froundwater	Samples Analyzed:	7	7	7	0	0	7	0	0

Notes:

AST = Aboveground storage tank

D = Duplicate

EPH = Extractable petroleum hydrocarbons

ID = Identification

LUST = Leaking underground storage tank

PCB = Polychlorinated biphenyl

SVOC = Semivolatile organic compound

TCLP = Toxicity Characteristic Leaching Procedure

TPH ERO = Total petroleum hydrocarbon extended range organics

TPH GRO = Total petroleum hydrocarbon gasoline range organics

VOC = Volatile organic compound

VPH = Volatile petroleum hydrocarbon

XRF = X-ray fluorescence

Table 2-2 Field Parameters Collected During Monitoring Well Purging Frankfort Roundhouse Site Frankfort, Clinton County, Indiana

Location ID	Purge Date	Depth to Water (feet below top of casing)	Specific Conductivity (µS/cm)	pH (SU)	Oxidation- Reduction Potential (mV)	Temperature (°C)	Dissolved Oxygen (mg/L)	Turbidity (NTU)
FR-MW01	10/12/2012	12.88	1,023	7.82	-82.3	16.29	2.95	>1,000
		12.88	1,023	7.79	-89.4	16.40	2.13	>1,000
		12.88	1,026	7.76	-70.0	16.22	1.97	>1,000
		12.88	1,027	7.76	-79.7	16.36	1.44	888
		12.86	1,027	7.76	-83.0	16.42	1.49	509
		12.86	1,027	7.75	-84.1	16.44	1.34	314
		12.86	1,028	7.79	-83.6	16.45	1.41	169
		12.86	1,028	7.76	-79.1	16.47	0.99	122
		12.89	1,029	7.75	-81.3	16.49	0.85	49.1
		12.88	1,029	7.75	-82.8	16.47	0.90	30.8
		12.89	1,030	7.75	-82.8	16.48	0.92	18.1
FR-MW02	10/12/2012	8.45	992	8.06	-41.8	18.51	10.07	>1,000
		8.42	991	7.92	-35.5	18.78	6.08	>1,000
		8.41	983	7.91	-33.7	19.21	5.47	843
		8.41	987	7.86	-39.9	19.21	4.87	149
		8.42	988	7.85	-47.5	19.24	4.81	44.8
		8.41	988	7.85	-49.2	19.21	4.91	11.6
		8.42	986	7.85	-51.3	19.22	4.88	9.1
FR-MW03	10/12/2012	8.00	1,313	8.62	5.0	16.25	11.76	177
		8.21	1,288	8.57	-13.6	16.92	5.44	85.9
		8.69	1,449	8.50	-38.8	17.36	5.54	69.1
		9.21	1,455	8.50	-33.1	17.33	5.41	85.2
		9.54	1,434	8.50	-26.2	17.24	5.42	40.1
		9.81	1,392	8.53	-17.1	17.10	5.33	36.5
		10.38	1,329	8.59	-15.0	16.98	5.02	65.5
		10.61	1,258	8.61	-22.9	16.90	4.73	46.2
		10.58	1,206	8.65	-31.0	16.84	4.47	45.1
		10.71	1,170	8.67	-37.4	16.79	4.22	47.7
	10/11/2012	10.83	1,161	8.68	-39.9	16.78	4.23	43.1
FR-MW04	10/11/2012	6.61	1,053	8.36	151.6	16.01	10.71	137
		6.89	1,048	8.35	149.3	16.14	9.47	90.3
		7.69	1,071	8.30	138.7	16.35	8.77	33.9
		7.72	1,076	8.30	132.6	16.33	8.60	24.6
		7.91	1,079	8.30	120.5	16.26	8.56	32.6
		8.03	1,084	8.30	112.0	16.19	8.39	36.1
FR-MW05	10/11/2012	8.07	1,079	8.31	109.1	16.21	8.40	35.2
FK-IVI W U5	10/11/2012	7.72 7.81	1,518 1,522	8.00 8.03	164.6 151.8	16.34 16.64	9.58	519 179
		7.81	1,537	7.96	148.6	16.85	8.60	87.6
		8.02	1,563	7.90	149.9	16.92	7.59	51.3
		8.05	1,564	7.83	151.2	16.91	7.65	11.2
		8.06	1,504	7.76	151.2	16.94	7.53	10.6
FR-MW06	10/11/2012	10.35	1,152	7.70	178.2	17.10	8.35	52.8
110 191 99 00	10/11/2012	10.51	1,152	7.71	170.5	17.10	6.46	40.4
		10.89	1,148	7.71	161.4	17.28	6.28	12
		11.01	1,153	7.71	156.9	17.28	6.28	8.2
		11.03	1,156	7.74	153.6	17.31	5.90	7.63
		11.03	1,162	7.74	151.2	17.31	5.87	7.51
		11.03	1,162	7.75	151.2	17.32	5.79	7.83

Notes:

 $\% = Percent \\ mg/L = \ Milligrams \ per \ liter$

 $^{\circ} = Degree \qquad \qquad mV = Millivolts$

 $\mu S/cm = Microsiemens \ per \ centimeter \\ NTU = Nephelometric \ turbidity \ unit$

C = Celsius SU = Standard Unit

ID = Identification

Table 2-3 Groundwater Elevations Frankfort Roundhouse Site Frankfort, Clinton County, Indiana

Monitoring Well ID	Depth to Groundwater (feet ¹)	Reference Elevation Ground Surface (feet amsl)	Reference Elevation Top of Casing (feet amsl)	Groundwater Elevation (feet amsl)
FR-MW01	12.79	859.55	859.03	846.24
FR-MW02	8.26	859.86	859.50	851.24
FR-MW03	8.63	859.60	859.24	850.61
FR-MW04	6.16	859.86	859.30	853.14
FR-MW05	7.49	861.63	861.40	853.91
FR-MW06	10.56	857.84	857.30	846.74

amsl = above mean sea level

ID = Identification

Depth to water measurements collected on October 11, 2012

¹Reference elevation is the top of the inner (PVC) well casing

Vertical datum is NAVD 88

		Location ID	FR-SB01/FR-MW01	FR-SB01/FR-MW01	FR-SB01/FR-MW01
		Field Sample ID	FR-SB01(0-1)-100912		FR-SB01(8.5-10.5)-100912
		Sampling Date	10/9/2012	10/9/2012	10/9/2012
		Depth Interval	10/3/2012	10/3/2012	10/5/2012
		(ft bgs)	0- 1	4.5- 6.5	8.5- 10.5
Chemical Name	Level ¹	Unit	0- 1	4.5- 0.5	6.3-10.3
	Level	Unit			
Volatile Organic Compounds	20,000,000	/!	2 (00 11	200 11	22 1
2-Butanone (MEK)	28,000,000	μg/kg	2,600 U 2.600 U	380 U	2.2 J
Acetone	85,000,000	μg/kg	,	270 J	13.3
Benzene	15,000	μg/kg	260 U	38 U	0.48 U
Carbon Disulfide	740,000	μg/kg	2,600 U	380 U	4.8 U
Cis-1,2-Dichloroethene	220,000	μg/kg	1,000 U	150 U	1.9 U
Ethylbenzene	76,000	μg/kg	1,370	150 U	1.9 U
Methyl N-Butyl Ketone	290,000	μg/kg	2,600 U	133 J	4.8 U
Methylbenzene	820,000	μg/kg	546 J	380 U	4.8 U
Trichloroethylene	6,200	μg/kg	1,000 U	150 U	1.9 U
Xylene (total)	260,000	μg/kg	6,320	150 U	1.9 U
Semi-Volatile Organic Compounds					
2,4-Dimethylphenol	1,700,000	μg/kg	3,200 U	640 U	630 U
2-Methylnaphthalene	370,000	μg/kg	95,700	1,850	130 U
Acenaphthene	4,800,000	μg/kg	2,590	130 U	130 U
Acenaphthylene		μg/kg	640 U	130 U	130 U
Anthracene	24,000,000	μg/kg	748	119 J	130 U
Benzo(a)Anthracene	2,100	μg/kg	1,030	130 U	130 U
Benzo(a)Pyrene	210	μg/kg	643	130 U	130 U
Benzo(b)Fluoranthene	2,100	μg/kg	1,260	130 U	130 U
Benzo(g,h,i)Perylene		μg/kg	519 J	130 U	130 U
Benzo(k)Fluoranthene	21,000	μg/kg	330 J	130 U	130 U
Benzyl Butyl Phthalate	3,600,000	μg/kg	1,600 U	320 U	310 U
Bis(2-ethylhexyl)Phthalate	490,000	μg/kg	1,600 U	320 U	310 U
Carbazole		μg/kg	640 U	130 U	130 U
Chrysene (1,2-Benzphenanthracene)	210,000	μg/kg	1,510	130 U	130 U
Dibenzo(a,h)Anthracene	210,000	μg/kg	180 J	130 U	130 U
Dibenzofuran	110,000	μg/kg	4,640	130 U	130 U
Fluoranthene	3,200,000	μg/kg μg/kg	3,010	55.7 J	130 U
Fluorene	3,200,000	μg/kg μg/kg	3,490	130 U	130 U
Indeno(1,2,3-cd)Pyrene	2,100	μg/kg μg/kg	3,490 344 J	130 U	130 U
Naphthalene	50,000	μg/kg μg/kg	17.200	130 U	130 U
Phenanthrene	30,000	100	11,500	1,070	130 U
Pyrene	2,400,000	μg/kg	2,460	56.9 J	130 U
Petroleum Hydrocarbons	2,400,000	μg/kg	2,400	30.9 J	130 0
	1		NI A	I NIA	I NIA
C6-C8 Aliphatics C8-C10 Aliphatics (VPH)		μg/kg	NA NA	NA NA	NA NA
		μg/kg	NA NA	NA NA	NA NA
C8-C10 Aliphatics (EPH)		μg/kg			
C8-C10 Aromatics (VPH)		μg/kg	NA NA	NA NA	NA NA
C8-C10 Aromatics (EPH)		μg/kg	NA NA	NA NA	NA NA
C10-C12 Aliphatics (VPH)		μg/kg	NA	NA	NA
C10-C12 Aliphatics (EPH)		μg/kg	NA	NA	NA
C10-C12 Aromatics (VPH)		μg/kg	NA	NA	NA
C10-C12 Aromatics (EPH)		μg/kg	NA	NA	NA
C12-C16 Aliphatics		μg/kg	NA	NA	NA
C12-C16 Aromatics		μg/kg	NA	NA	NA
C16-C21 Aliphatics		μg/kg	NA	NA	NA
C16 C21 Anomatica		μg/kg	NA	NA	NA
C16-C21 Aromatics		μg/kg	NA	NA	NA
C21-C34 Aliphatics		μg/kg			
		μg/kg μg/kg	NA	NA	NA
C21-C34 Aliphatics C21-C34 Aromatics		μg/kg	NA	NA	
C21-C34 Aliphatics					NA NA NA

Field Sample ID FR-SB020-13-101012 FR-SB027-9-101012 Sampling Date Depth Interval Depth Interval			1 1 1 15	ED (IDAA/ED 1/11/04	ED CDAA/ED MINA	
Chemical Name			Location ID	FR-SB02/FR-MW02	FR-SB02/FR-MW02	FR-SB02/FR-MW02
Chemical Name				` /	` /	` /
Chemical Name				10/10/2012	10/10/2012	10/10/2012
Chemical Name			_			
Volatile Organic Compounds			(ft bgs)	0- 1	4- 6	7- 9
2Bottanone (MEK)	Chemical Name	Level	Unit			
Acctone	Volatile Organic Compounds					
Benzenc	2-Butanone (MEK)	28,000,000	μg/kg	550 U	5.9 U	5.9 U
Carbon Disulfide	Acetone	85,000,000	μg/kg	528 J	87.9	5.9 U
Cis-1_2-Dichloroethene 220,000			μg/kg	61.5	0.59 U	2
Erhylbenzene					1 - 1	
Methyl N-Butyl Ketone	, , , , , , , , , , , , , , , , , , , ,	- ,				
Methylbenzene						
Tirichrorethylene						
Sylene (total) Ze0,000 Pg/kg Ze10 Ze3 U 1.2 J						
Semi-Volatile Organic Compounds	<u> </u>					
2.4-Dimethylphenol 1,700,000 μg/kg 2.500 U 630 U 620 U ZeMethylaphthalene 370,000 μg/kg 2.90 130 U 120 U Acenaphthlene 4,800,000 μg/kg 500 U 130 U 120 U Acenaphthylene 24,000,000 μg/kg 121 J 130 U 120 U Anutracene 24,000,000 μg/kg 121 J 130 U 120 U Benzo(a)Pyrene 210 μg/kg 283 J 130 U 120 U Benzo(sh)Fluoranthene 2,100 μg/kg 236 J 130 U 120 U Benzo(sh)Fluoranthene 21,000 μg/kg 156 J 130 U 120 U Benzo(sh)Fluoranthene 21,000 μg/kg 156 J 130 U 120 U Benzo(sh)Fluoranthene 21		260,000	µg/kg	2,410	2.3 U	1.2 J
2-Methylnaphthalene		1 700 000	110/lva I	2.500	620 11	620 11
Acenaphthene						
Accnaphthylene						
Anthracene						
Benzo(a)Anthracene	1 ,					
Benzo(a)Pyrene			μg/kg μg/kg			
Benzo(b)Fluoranthene						
Benzo(g,h.i)Perylene						
Benzo(k)Fluoranthene		,				
Benzyl Butyl Phthalate						
Bis(2-ethylhexyl)Phthalate						
Carbazole μg/kg 500 U 130 U 120 U Chrysene (1,2-Benzphenanthracene) 210,000 μg/kg 391 J 130 U 120 U Dibenzofuran 110,000 μg/kg 537 130 U 120 U Fluoranthene 3,200,000 μg/kg 438 J 130 U 120 U Fluorene 3,200,000 μg/kg 500 U 130 U 120 U Indeno(1,2,3-cd)Pyrene 2,100 μg/kg 193 J 130 U 120 U Naphthalene 50,000 μg/kg 1,510 130 U 120 U Pyrene 2,400,000 μg/kg 1,300 130 U 120 U Pyrene 2,400,000 μg/kg 1,300 130 U 120 U Pyrene 2,400,000 μg/kg 1,510 130 U				,		
Dibenzo(qa,h)Anthracene 210						
Dibenzofuran 110,000 μg/kg 537 130 U 120 U	Chrysene (1,2-Benzphenanthracene)	210,000	μg/kg	391 J	130 U	120 U
Fluoranthene 3,200,000 μg/kg 438 J 130 U 120 U Fluorene 3,200,000 μg/kg 500 U 130 U 120 U Indeno(1,2,3-cd)Pyrene 2,100 μg/kg 193 J 130 U 120 U Naphthalene 50,000 μg/kg 1,510 130 U 120 U Phenanthrene μg/kg 1,300 130 U 120 U Pyrene 2,400,000 μg/kg 506 130 U 120 U Pyrene 2,400,000 μg/kg 506 130 U 120 U Petroleum Hydrocarbons		210	μg/kg	500 U	130 U	
Fluorene 3,200,000 μg/kg 500 U 130 U 120 U 120	Dibenzofuran	110,000	μg/kg	537	130 U	120 U
Indeno(1,2,3-cd)Pyrene	Fluoranthene		μg/kg		130 U	120 U
Naphthalene S0,000 μg/kg 1,510 130 U 120 U		3,200,000	μg/kg			
Phenanthrene		,	μg/kg			
Pyrene 2,400,000 µg/kg 506 130 U 120 U Petroleum Hydrocarbons C6-C8 Aliphatics µg/kg 7,610 6,700 U 5,700 U C8-C10 Aliphatics (VPH) µg/kg 11,600 6,700 U 5,700 U C8-C10 Aliphatics (EPH) µg/kg 3,280 2,300 U 2,300 U C8-C10 Aromatics (VPH) µg/kg 12,100 6,700 U 5,700 U C8-C10 Aromatics (EPH) µg/kg 1,900 U 2,300 U 2,300 U 5,700 U C10-C12 Aliphatics (VPH) µg/kg 18,100 6,700 U 5,700 U C10-C12 Aliphatics (EPH) µg/kg 2,540 2,300 U 2,300 U C10-C12 Aromatics (VPH) µg/kg 21,300 6,700 U 5,700 U C10-C12 Aromatics (VPH) µg/kg<		50,000	μg/kg			
Petroleum Hydrocarbons C6-C8 Aliphatics μg/kg 7,610 6,700 U 5,700 U C8-C10 Aliphatics (VPH) μg/kg 11,600 6,700 U 5,700 U C8-C10 Aliphatics (EPH) μg/kg 3,280 2,300 U 2,300 U C8-C10 Aromatics (VPH) μg/kg 12,100 6,700 U 5,700 U C8-C10 Aromatics (EPH) μg/kg 1,900 U 2,300 U 2,300 U C10-C12 Aliphatics (VPH) μg/kg 18,100 6,700 U 5,700 U C10-C12 Aliphatics (EPH) μg/kg 2,540 2,300 U 2,300 U C10-C12 Aromatics (EPH) μg/kg 21,300 6,700 U 5,700 U C10-C12 Aromatics (EPH) μg/kg 1,900 U 2,300 U 2,300 U C12-C16 Aliphatics				,		
C6-C8 Aliphatics μg/kg 7,610 6,700 U 5,700 U C8-C10 Aliphatics (VPH) μg/kg 11,600 6,700 U 5,700 U C8-C10 Aliphatics (EPH) μg/kg 3,280 2,300 U 2,300 U C8-C10 Aromatics (VPH) μg/kg 12,100 6,700 U 5,700 U C8-C10 Aromatics (EPH) μg/kg 1,900 U 2,300 U 2,300 U C10-C12 Aliphatics (VPH) μg/kg 18,100 6,700 U 5,700 U C10-C12 Aliphatics (EPH) μg/kg 2,540 2,300 U 2,300 U C10-C12 Aromatics (VPH) μg/kg 21,300 6,700 U 5,700 U C10-C12 Aromatics (VPH) μg/kg 1,900 U 2,300 U 2,300 U 2,300 U 2,300 U 2,300 U		2,400,000	μg/kg	506	130 U	120 U
C8-C10 Aliphatics (VPH) μg/kg 11,600 6,700 U 5,700 U C8-C10 Aliphatics (EPH) μg/kg 3,280 2,300 U 2,300 U C8-C10 Aromatics (VPH) μg/kg 12,100 6,700 U 5,700 U C8-C10 Aromatics (EPH) μg/kg 1,900 U 2,300 U 2,300 U C10-C12 Aliphatics (EPH) μg/kg 18,100 6,700 U 5,700 U C10-C12 Aliphatics (EPH) μg/kg 2,540 2,300 U 2,300 U C10-C12 Aromatics (EPH) μg/kg 21,300 6,700 U 5,700 U C10-C12 Aromatics (EPH) μg/kg 1,900 U 2,300 U 5,700 U C12-C16 Aliphatics μg/kg 14,700 3,520 3,070 3,070 0 0 2,300 U 2,300 U 2,300<				= -10		
C8-C10 Aliphatics (EPH) μg/kg 3,280 2,300 U 2,300 U C8-C10 Aromatics (VPH) μg/kg 12,100 6,700 U 5,700 U C8-C10 Aromatics (EPH) μg/kg 1,900 U 2,300 U 2,300 U C10-C12 Aliphatics (VPH) μg/kg 18,100 6,700 U 5,700 U C10-C12 Aliphatics (EPH) μg/kg 2,540 2,300 U 2,300 U C10-C12 Aromatics (VPH) μg/kg 21,300 6,700 U 5,700 U C10-C12 Aromatics (EPH) μg/kg 1,900 U 2,300 U 5,700 U C12-C16 Aliphatics μg/kg 14,700 3,520 3,070 U C12-C16 Aromatics μg/kg 7,580 2,300 U 2,300 U C16-C21 Aliphatics μg/kg 59,800 3,870 2,510 C16-C21 Aromatics μg/kg 58,200 2,650 2,300 U C21-C34 Aliphatics μg/kg 122,000 10						,
C8-C10 Aromatics (VPH) μg/kg 12,100 6,700 U 5,700 U C8-C10 Aromatics (EPH) μg/kg 1,900 U 2,300 U 2,300 U C10-C12 Aliphatics (VPH) μg/kg 18,100 6,700 U 5,700 U C10-C12 Aliphatics (EPH) μg/kg 2,540 2,300 U 2,300 U C10-C12 Aromatics (VPH) μg/kg 21,300 6,700 U 5,700 U C10-C12 Aromatics (EPH) μg/kg 1,900 U 2,300 U 2,300 U C12-C16 Aliphatics μg/kg 14,700 3,520 3,070 U C12-C16 Aromatics μg/kg 7,580 2,300 U 2,300 U C16-C21 Aliphatics μg/kg 59,800 3,870 2,510 2,510 C16-C21 Aromatics μg/kg 58,200 2,650 2,300 U C21-C34 Aliphatics μg/kg 122,000 10,100<				,	- ,	
C8-C10 Aromatics (EPH) μg/kg 1,900 U 2,300 U 2,300 U C10-C12 Aliphatics (VPH) μg/kg 18,100 6,700 U 5,700 U C10-C12 Aliphatics (EPH) μg/kg 2,540 2,300 U 2,300 U C10-C12 Aromatics (VPH) μg/kg 21,300 6,700 U 5,700 U C10-C12 Aromatics (EPH) μg/kg 1,900 U 2,300 U 2,300 U C12-C16 Aliphatics μg/kg 14,700 3,520 3,070 C12-C16 Aromatics μg/kg 7,580 2,300 U 2,300 U C16-C21 Aliphatics μg/kg 59,800 3,870 2,510 C16-C21 Aromatics μg/kg 58,200 2,650 2,300 U C21-C34 Aliphatics μg/kg 12,000 10,100 3,350 C21-C34 Aromatics -					,	
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C10-C12 Aromatics (VPH) μg/kg 21,300 6,700 U 5,700 U C10-C12 Aromatics (EPH) μg/kg 1,900 U 2,300 U 2,300 U C12-C16 Aliphatics μg/kg 14,700 3,520 3,070 C12-C16 Aromatics μg/kg 7,580 2,300 U 2,300 U C16-C21 Aliphatics μg/kg 59,800 3,870 2,510 C16-C21 Aromatics μg/kg 58,200 2,650 2,300 U C21-C34 Aliphatics μg/kg 122,000 10,100 3,350 C21-C34 Aromatics μg/kg 160,000 2,940 2,300 U	1 \ /				-,	,
C10-C12 Aromatics (EPH) μg/kg 1,900 U 2,300 U 2,300 U 2,300 U C12-C16 Aliphatics μg/kg 14,700 3,520 3,070 C12-C16 Aromatics μg/kg 7,580 2,300 U 2,300 U C16-C21 Aliphatics μg/kg 59,800 3,870 2,510 C16-C21 Aromatics μg/kg 58,200 2,650 2,300 U C21-C34 Aliphatics μg/kg 122,000 10,100 3,350 C21-C34 Aromatics μg/kg 160,000 2,940 2,300 U						
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C21-C34 Aliphatics μg/kg 122,000 10,100 3,350 C21-C34 Aromatics μg/kg 160,000 2,940 2,300 U						
C21-C34 Aromatics μg/kg 160,000 2,940 2,300 U						
Num of Patrolaum Hydrocarbone 11110111011 11d/Pat 707 000 172 000 0 020	Sum of Petroleum Hydrocarbons ²	10,000,000		492,990	23,080	8,930
		, ,				
TPH ERO 3,100 mg/kg 492 46.1 7.57 J TPH-GRO 3,100 mg/kg 37 15 U 13 U	TPH-GRO					

		T 42 ID	ED CD02/ED MW02	ED CD02/ED MW02	ED CD02/ED MXX/02
		Location ID	FR-SB03/FR-MW03	FR-SB03/FR-MW03	FR-SB03/FR-MW03
		Field Sample ID	FR-SB03(0-1)-100912 10/9/2012	FR-SB03(7-9)-100912 10/9/2012	FR-SB03(13-15)-100912 10/9/2012
		Sampling Date Depth Interval	10/9/2012	10/9/2012	10/9/2012
			0.1	7.0	12.15
		(ft bgs)	0- 1	7- 9	13- 15
Chemical Name	Level ¹	Unit			
Volatile Organic Compounds					
2-Butanone (MEK)	28,000,000	μg/kg	6.7 U	21.3	3.7 J
Acetone	85,000,000	μg/kg	41.8	116	23.4
Benzene	15,000	μg/kg	5.8	4.6	2
Carbon Disulfide	740,000	μg/kg	6.7 U	1.5 J	3.8 U
Cis-1,2-Dichloroethene	220,000	μg/kg	2.7 U	2 U	1.5 U
Ethylbenzene	76,000	μg/kg	2.9	3.7	0.76 J
Methyl N-Butyl Ketone	290,000	μg/kg	6.7 U	4.9 U	3.8 U
Methylbenzene	820,000	μg/kg	10.7	12.5	3.4 J
Trichloroethylene	6,200	μg/kg	2.7 U	2 U	1.5 U
Xylene (total) Semi-Volatile Organic Compounds	260,000	μg/kg	7.2	10.2	1.8
2,4-Dimethylphenol	1,700,000	ug/kg	530 U	620 U	540 U
2-Methylnaphthalene	370,000	μg/kg μg/kg	110 U	154	110 U
Acenaphthene	4,800,000	μg/kg μg/kg	110 U	120 U	87.6 J
Acenaphthylene	4,800,000	μg/kg μg/kg	110 U	120 U	110 U
Anthracene	24,000,000	μg/kg μg/kg	110 U	120 U	110 U
Benzo(a)Anthracene	2,100	μg/kg μg/kg	110 U	120 U	110 U
Benzo(a)Pyrene	210	μg/kg	110 U	120 U	110 U
Benzo(b)Fluoranthene	2,100	μg/kg	110 U	120 U	110 U
Benzo(g,h,i)Perylene		μg/kg	110 U	120 U	110 U
Benzo(k)Fluoranthene	21,000	μg/kg	110 U	120 U	110 U
Benzyl Butyl Phthalate	3,600,000	μg/kg	270 U	310 U	270 U
Bis(2-ethylhexyl)Phthalate	490,000	μg/kg	270 U	310 U	270 U
Carbazole		μg/kg	110 U	120 U	110 U
Chrysene (1,2-Benzphenanthracene)	210,000	μg/kg	110 U	120 U	110 U
Dibenzo(a,h)Anthracene	210	μg/kg	110 U	120 U	110 U
Dibenzofuran	110,000	μg/kg	110 U	120 U	110 U
Fluoranthene	3,200,000	μg/kg	110 U	15.7 J	110 U
Fluorene	3,200,000	μg/kg	110 U	120 U	110 U
Indeno(1,2,3-cd)Pyrene	2,100	μg/kg	110 U	120 U	110 U
Naphthalene	50,000	μg/kg	110 U	32.2 J	110 U
Phenanthrene		μg/kg	110 U	40.6 J	110 U
Pyrene	2,400,000	μg/kg	110 U	18.4 J	11.6 J
Petroleum Hydrocarbons	T		7,800 U	6.800 U	7,700 U
C6-C8 Aliphatics C8-C10 Aliphatics (VPH)		μg/kg μg/kg	7,800 U	6,800 U 6,800 U	7,700 U 7,700 U
C8-C10 Aliphatics (VFH)		μg/kg μg/kg	2,000 U	2,300 U	2,000 U
C8-C10 Annuatics (EF11)		μg/kg μg/kg	7,800 U	6,800 U	7,700 U
C8-C10 Aromatics (VFII)		μg/kg μg/kg	2,000 U	2,300 U	2,000 U
C10-C12 Aliphatics (VPH)		μg/kg μg/kg	7,800 U	15,300	7,700 U
C10-C12 Aliphatics (V111)		μg/kg μg/kg	2,000 U	5,300	2,000 U
C10-C12 Aromatics (VPH)		μg/kg	5,010 J	49,300	7,700 U
C10-C12 Aromatics (EPH)		μg/kg	2,000 U	2,300 U	2,000 U
C12-C16 Aliphatics		μg/kg	3,480	75,000	4,150
C12-C16 Aromatics		μg/kg	2,000 U	5,540	2,000 U
C16-C21 Aliphatics		μg/kg	2,920	64,700	3,360
C16-C21 Aromatics		μg/kg	2,570	29,000	2,000 U
C21-C34 Aliphatics		μg/kg	3,340	15,700	2,000 U
C21-C34 Aromatics		μg/kg	2,000 U	7,170	2,000 U
Sum of Petroleum Hydrocarbons ²	10,000,000	μg/kg	12,310	261,710	7,510
TPH ERO	3,100	mg/kg	25.4	61.6	19.2
TPH-GRO	3,100	mg/kg	16 U	17.9	3.13 J

		Location ID	FR-SB04/FR-MW04	FR-SB04/FR-MW04	FR-SB04/FR-MW04
		Field Sample ID	FR-SB04(0-1)-100912	FR-SB04(10.5-12.5)-100912	
		Sampling Date	10/9/2012	10/9/2012	10/9/2012
		Depth Interval	10/2/2012	10/3/2012	10/7/2012
		(ft bgs)	0- 1	10.5- 12.5	13- 15
Chemical Name	Level	Unit	0 1	10.0 12.0	10 10
	Level	Unit			
Volatile Organic Compounds 2-Butanone (MEK)	28,000,000		5.6 II	1.100 U	430 U
Acetone	85,000,000	μg/kg μg/kg	5.6 U 5.6 U	1,100 U 1,100 U	430 U
Benzene	15,000	μg/kg μg/kg	1.7	110 U	43 U
Carbon Disulfide	740.000	μg/kg μg/kg	4.5 J	1.100 U	430 U
Cis-1,2-Dichloroethene	220,000	μg/kg μg/kg	2.2 U	420 U	170 U
Ethylbenzene	76,000	μg/kg μg/kg	1.1 J	420 U	170 U
Methyl N-Butyl Ketone	290,000	μg/kg μg/kg	5.6 U	1,100 U	344 J
Methylbenzene	820,000	μg/kg	3.2 J	1,100 U	430 U
Trichloroethylene	6,200	μg/kg	2.2 U	420 U	170 U
Xylene (total)	260,000	μg/kg μg/kg	3.2	420 U	170 U
Semi-Volatile Organic Compounds	200,000	MB/ NB	J. <u>D</u>	120 0	170 0
2,4-Dimethylphenol	1,700,000	μg/kg	650 U	580 U	530 U
2-Methylnaphthalene	370,000	μg/kg	130 U	25,400	110 U
Acenaphthene	4,800,000	μg/kg	130 U	120 U	110 U
Acenaphthylene		μg/kg	130 U	120 U	110 U
Anthracene	24,000,000	μg/kg	619	1,360	110 U
Benzo(a)Anthracene	2,100	μg/kg	130 U	47 J	110 U
Benzo(a)Pyrene	210	μg/kg	130 U	120 U	110 U
Benzo(b)Fluoranthene	2,100	μg/kg	130 U	120 U	110 U
Benzo(g,h,i)Perylene		μg/kg	130 U	120 U	110 U
Benzo(k)Fluoranthene	21,000	μg/kg	130 U	120 U	110 U
Benzyl Butyl Phthalate	3,600,000	μg/kg	330 U	290 U	270 U
Bis(2-ethylhexyl)Phthalate	490,000	μg/kg	330 U	290 U	270 U
Carbazole		μg/kg	130 U	120 U	110 U
Chrysene (1,2-Benzphenanthracene)	210,000	μg/kg	130 U	40.9 J	110 U
Dibenzo(a,h)Anthracene	210	μg/kg	130 U	120 U	110 U
Dibenzofuran	110,000	μg/kg	130 U	120 U	110 U
Fluoranthene	3,200,000	μg/kg	130 U	120 U	110 U
Fluorene	3,200,000	μg/kg	130 U	3,390	110 U
Indeno(1,2,3-cd)Pyrene	2,100	μg/kg	130 U	120 U	110 U
Naphthalene	50,000	μg/kg	130 U	120 U	110 U
Phenanthrene		μg/kg	2,850	9,160	110 U
Pyrene	2,400,000	μg/kg	256	458	18.7 J
Petroleum Hydrocarbons	1	/1	12.000 H	7,000 11	5,000 II
C6-C8 Aliphatics		μg/kg	12,000 U 12,000 U	7,900 U 7,900 U	5,900 U
C8-C10 Aliphatics (VPH) C8-C10 Aliphatics (EPH)		μg/kg	12,000 U 2,400 U	7,900 U 8,820	8,380 2,000 U
C8-C10 Anphatics (EPH)		μg/kg	12,000 U	8,820 7,900 U	12,000
C8-C10 Aromatics (VPH)		μg/kg	2,400 U	2,100 U	2,000 U
C10-C12 Aliphatics (VPH)		μg/kg	12,000 U	9,140	48,200
C10-C12 Aliphatics (VFII)		μg/kg μg/kg	15,600	50,100	2,000 U
C10-C12 Anphatics (EFT)		μg/kg μg/kg	12,000 U	27,000	62,600
C10-C12 Aromatics (VPH)		μg/kg μg/kg	2,400 U	7,020	2,000 U
C12-C16 Aliphatics		μg/kg μg/kg	139,000	271,000	4,370
C12-C16 Ariphatics		μg/kg μg/kg	12,500	251,000	2,000 U
C16-C21 Aliphatics		μg/kg μg/kg	80,800	259,000	4,320
C16-C21 Anguatics C16-C21 Aromatics		μg/kg μg/kg	68,700	410.000	2,980
C21-C34 Aliphatics		μg/kg μg/kg	8,660	27,100	3,050
		μg/kg μg/kg	6,810	18,600	2,000 U
		μ ₅ / Ν ₅	0,010	10,000	2,000 0
C21-C34 Aromatics		ug/lea	222.070	1 222 620	145 000
	10,000,000	μg/kg mg/kg	332,070 566	1,322,620 1,430	145,900 28.4

		Location ID	FR-SB05/FR-MW05	FR-SB05/FR-MW05	FR-SB05/FR-MW05
		Field Sample ID	FR-SB05(0-1)-101012	FR-SB05(2-4)-101012	FR-SB05(5-7)-101012
		Sampling Date	10/10/2012	10/10/2012	10/10/2012
		Depth Interval	10/10/2012	10/10/2012	10/10/2012
		(ft bgs)	0- 1	2- 4	5- 7
CL · LN	Level		0- 1	2-4	3- 7
Chemical Name	Level	Unit			
Volatile Organic Compounds					
2-Butanone (MEK)	28,000,000	μg/kg	720 U	4.6 U	4.8 U
Acetone	85,000,000	μg/kg	595 J	30.8	20.4
Benzene	15,000	μg/kg	72 U	0.46 U	3.2
Carbon Disulfide	740,000	μg/kg	720 U	3.6 J	4.8 U
Cis-1,2-Dichloroethene	220,000	μg/kg	290 U	1.9 U	1.9 U
Ethylbenzene	76,000	μg/kg	290 U	1.9 U	1.9
Methyl N-Butyl Ketone	290,000	μg/kg	102 J	4.6 U	4.8 U
Methylbenzene	820,000	μg/kg	720 U	4.6 U	7.5
Trichloroethylene	6,200	μg/kg	290 U	1.9 U	1.9 U
Xylene (total)	260,000	μg/kg	355	1.9 U	4.7
Semi-Volatile Organic Compounds					
2,4-Dimethylphenol	1,700,000	μg/kg	5,300 U	580 U	600 U
2-Methylnaphthalene	370,000	μg/kg	1,100 U	31.1 J	120 U
Acenaphthene	4,800,000	μg/kg	1,100 U	120 U	120 U
Acenaphthylene		μg/kg	487 J	120 U	120 U
Anthracene	24,000,000	μg/kg	1,080 J	120 U	120 U
Benzo(a)Anthracene	2,100	μg/kg	5,780	33.4 J	120 U
Benzo(a)Pyrene	210	μg/kg	4,760	24.2 Ј	120 U
Benzo(b)Fluoranthene	2,100	μg/kg	7,780	68.4 J	120 U
Benzo(g,h,i)Perylene		μg/kg	3,380	32.9 J	120 U
Benzo(k)Fluoranthene	21,000	μg/kg	2,690	25.1 J	120 U
Benzyl Butyl Phthalate	3,600,000	μg/kg	2,700 U	290 U	300 U
Bis(2-ethylhexyl)Phthalate	490,000	μg/kg	2,700 U	290 U	300 U
Carbazole		μg/kg	364 J	120 U	120 U
Chrysene (1,2-Benzphenanthracene)	210,000	μg/kg	4,980	36 J	120 U
Dibenzo(a,h)Anthracene	210	μg/kg	1,150	120 U	120 U
Dibenzofuran	110,000	μg/kg	301 J	27.6 J	120 U
Fluoranthene	3,200,000	μg/kg	9,690	81 J	120 U
Fluorene	3,200,000	ug/kg	1.100 U	120 U	120 U
Indeno(1,2,3-cd)Pyrene	2,100	μg/kg	3,130	28.8 J	120 U
Naphthalene	50.000	μg/kg	218 J	43.1 J	120 U
Phenanthrene		μg/kg	4,530	97 J	120 U
Pyrene	2,400,000	μg/kg	7,530	53.6 J	120 U
Petroleum Hydrocarbons	2,400,000	μg/Kg	7,550	33.0 3	120 C
C6-C8 Aliphatics		μg/kg	7,900 U	5,000 U	8,400 U
C8-C10 Aliphatics (VPH)		μg/kg	7,900 U	5,000 U	8,400 U
C8-C10 Aliphatics (V111)		μg/kg	1,900 U	2,100 U	2,200 U
C8-C10 Ampliatics (EFT) C8-C10 Aromatics (VPH)		μg/kg μg/kg	4,750 J	5,000 U	8,400 U
C8-C10 Aromatics (VF11)		μg/kg μg/kg	1,900 U	2,100 U	2,200 U
C10-C12 Aliphatics (VPH)		μg/kg μg/kg	7,900 U	5,000 U	8,400 U
C10-C12 Aliphatics (VFH)			1,900 U	2,100 U	2,200 U
C10-C12 Aniphatics (EPH) C10-C12 Aromatics (VPH)		μg/kg μg/kg	5,970 J	5,000 U	8,400 U
C10-C12 Aromatics (VPH)		μg/kg μg/kg	1,900 U	2,100 U	2,200 U
C12-C16 Aliphatics			1,900 U	2,540	5,980
C12-C16 Anphatics C12-C16 Aromatics		μg/kg	1,900 U	2,340 2,100 U	2,200 U
		μg/kg	2,330	5,310 U	2,200 U 2,200 U
C16-C21 Aliphatics	+	μg/kg	15,100		
C16-C21 Aromatics		μg/kg		3,330	
C21-C34 Aliphatics		μg/kg	10,300	11,700	2,200 U
C21-C34 Aromatics		μg/kg	31,400	3,070	2,200 U
Sum of Petroleum Hydrocarbons ²	10,000,000	μg/kg	59,130	25,950	5,980
TPH ERO	3,100	mg/kg	64.1	110	5.43 J
TPH-GRO	3,100	mg/kg	7.97 J	11 U	18 U

Field Sample ID FR-SB0660-1-109012 FR-SB066-8-109012 T0992012 T0992			Location ID	FR-SB06/FR-MW06	FR-SB06/FR-MW06	FR-SB06/FR-MW06
Sampling Date Depth Interval (It bgs) 0-1 6-8 8-10 10 10 10 10 10 10 10						
Chemical Name					` /	
Chemical Name				10/2/2012	10/2/2012	10/5/2012
Chemical Name			_	0- 1	6- 8	8- 10
Volume Compounds Zamonom Zamonom	Chamical Name	Level ¹		V 1	0 0	0 10
2-Butanone (MEK)		Ecver	Ullit			
Acetone		28 000 000		720 II	1 11	2 9 11
Benzene	. ,					
Carbon Disulfide 740,000 μg/kg 730 U 4.5 U 3.8 U 1.8 U 1.3 U 2.0 U 1.8 U 2.2 Methyle 5.8 J 1.8 U 2.2 Methyle 5.8 J 1.4 5.0 3.8 U 2.0 2.0 2.0 3.8 U 4.5 U 7.3 Tricklorosthyle 2.0 0.0 4.5 U 7.3 Tricklorosthyle 2.0 U 1.8 U 7.3 Tricklorosthyle 2.0 U 4.5 U 7.3 Tricklorosthyle 2.0 U 4.5 U 7.3 Tricklorosthyle 2.0 2.0 U 4.5 U 2.3 N 2.0 V 5.6 U 2.2 W 1.2 2.0 U 1.0 2.0 L 2.6						
Cis-1_2_Dichlorocthene 220,000						
Enlythenzene		,				
Methyl N-Butyl Ketone 290,000 µg/kg 378						
Methylbenzene						1.2
Trichforcehylene						
Xylene (total) Z60,000 µg/kg 473 1.8 U 5.3	<u> </u>					
Semi-Volatile Organic Compounds	,					
2.4-Dimethylphenol		200,000	MB/NB	173	1.0 C	3.3
2-Methylnaphthalene		1,700.000	μg/kg	2,900 U	600 U	560 U
Acenaphthene 4,800,000 μg/kg 570 U 213 110 U Acenaphthylene	2-Methylnaphthalene			,		
Acenaphthylene						
Anthracene						
Benzo(a)Anthracene	Anthracene	24,000,000		186 J	120 U	110 U
Benzo(a)Pyrene	Benzo(a)Anthracene	2,100		1,010	120 U	110 U
Benzo(b)Fluoranthene	Benzo(a)Pyrene	210		941	120 U	110 U
Benzy(B)Fluoranthene	Benzo(b)Fluoranthene	2,100		1,380	120 U	110 U
Benzo(k) Pluoranthene	Benzo(g,h,i)Perylene			615	120 U	110 U
Bis(2-ethylnexyl)Phthalate	Benzo(k)Fluoranthene	21,000		450 J	120 U	110 U
Carbazole		3,600,000		1,400 U		
Chrysene (1,2-Benzphenanthracene) 210,000 μg/kg 921 120 U 110 U	Bis(2-ethylhexyl)Phthalate	490,000	μg/kg			
Dibenzo(ua,h)Anthracene 210						
Dibenzofuran 110,000			μg/kg			
Fluoranthene 3,200,000						
Fluorene 3,200,000 μg/kg 570 U 120 U 110 U Indeno(1,2,3-cd)Pyrene 2,100 μg/kg 598 120 U 110 U Naphthalene 50,000 μg/kg 547 J 120 U 110 U Phenanthrene						
Indeno(1,2,3-cd)Pyrene						
Naphthalene S0,000 μg/kg S47 J 120 U 110 U						
Phenanthrene						
Pyrene 2,400,000 µg/kg 1,150 37.6 J 110 U Petroleum Hydrocarbons C6-C8 Aliphatics µg/kg 16,000 U 8,400 U 7,600 U C8-C10 Aliphatics (VPH) µg/kg 16,000 U 8,400 U 7,600 U C8-C10 Aliphatics (EPH) µg/kg 2,100 U 2,900 1,900 U C8-C10 Aromatics (VPH) µg/kg 16,000 U 8,400 U 7,600 U C8-C10 Aromatics (EPH) µg/kg 2,100 U 2,200 U 1,900 U C8-C10 Aromatics (EPH) µg/kg 2,100 U 2,200 U 1,900 U C10-C12 Aliphatics (EPH) µg/kg 16,000 U 8,400 U 7,600 U C10-C12 Aromatics (EPH) µg/kg 16,000 U 2,730 U 1,900 U C10-C12 Aromatics (EPH) µg/kg 16,000 U 14,700 T 7,600 U C10-C12 Aromatics (EPH) µg/kg 2,100 U 2,200 U 1,900 U C12-C16 Alip		,				
Petroleum Hydrocarbons C6-C8 Aliphatics μg/kg 16,000 U 8,400 U 7,600 U C8-C10 Aliphatics (VPH) μg/kg 16,000 U 8,400 U 7,600 U C8-C10 Aliphatics (EPH) μg/kg 2,100 U 2,900 1,900 U C8-C10 Aromatics (VPH) μg/kg 16,000 U 8,400 U 7,600 U C8-C10 Aromatics (VPH) μg/kg 16,000 U 8,400 U 7,600 U C10-C12 Aliphatics (VPH) μg/kg 16,000 U 8,400 U 7,600 U C10-C12 Aliphatics (EPH) μg/kg 2,100 U 2,730 1,900 U C10-C12 Aromatics (EPH) μg/kg 16,000 U 14,700 7,600 U C10-C12 Aromatics (EPH) μg/kg 2,100 U 2,200 U 1,900 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>						
C6-C8 Aliphatics μg/kg 16,000 U 8,400 U 7,600 U C8-C10 Aliphatics (VPH) μg/kg 16,000 U 8,400 U 7,600 U C8-C10 Aliphatics (EPH) μg/kg 2,100 U 2,900 1,900 U C8-C10 Aromatics (VPH) μg/kg 16,000 U 8,400 U 7,600 U C8-C10 Aromatics (EPH) μg/kg 2,100 U 2,200 U 1,900 U C10-C12 Aliphatics (VPH) μg/kg 16,000 U 8,400 U 7,600 U C10-C12 Aliphatics (VPH) μg/kg 16,000 U 2,730 1,900 U C10-C12 Aromatics (VPH) μg/kg 16,000 U 14,700 7,600 U C10-C12 Aromatics (VPH) μg/kg 2,100 U 2,200 U 1,900 U C12-C16 Aliphatics	<i>y</i>	2,400,000	µg/kg	1,150	37.6 J	110 U
C8-C10 Aliphatics (VPH) μg/kg 10,000 U 8,400 U 7,600 U C8-C10 Aliphatics (EPH) μg/kg 2,100 U 2,900 1,900 U C8-C10 Aromatics (VPH) μg/kg 16,000 U 8,400 U 7,600 U C8-C10 Aromatics (EPH) μg/kg 2,100 U 2,200 U 1,900 U C10-C12 Aliphatics (VPH) μg/kg 16,000 U 8,400 U 7,600 U C10-C12 Aliphatics (EPH) μg/kg 2,100 U 2,730 1,900 U C10-C12 Aromatics (VPH) μg/kg 16,000 U 14,700 7,600 U C10-C12 Aromatics (VPH) μg/kg 2,100 U 2,200 U 1,900 U C10-C12 Aromatics (EPH) μg/kg 2,860 112,000 3,070 1,900 U 1,900 U 1,9		1	/!	16,000 II	0.400 II	7.600 11
C8-C10 Aliphatics (EPH) μg/kg 2,100 U 2,900 1,900 U C8-C10 Aromatics (VPH) μg/kg 16,000 U 8,400 U 7,600 U C8-C10 Aromatics (EPH) μg/kg 2,100 U 2,200 U 1,900 U C10-C12 Aliphatics (VPH) μg/kg 16,000 U 8,400 U 7,600 U C10-C12 Aromatics (VPH) μg/kg 2,100 U 2,730 I 1,900 U C10-C12 Aromatics (VPH) μg/kg 16,000 U 14,700 T 7,600 U C10-C12 Aromatics (EPH) μg/kg 2,100 U 2,200 U 1,900 U C10-C12 Aromatics (EPH) μg/kg 2,100 U 2,200 U 1,900 U C10-C12 Aromatics (EPH) μg/kg 5,860 112,000 3,070 C12-C16 Aliphatics μg/kg 2,710 B 8,910 B 1,900 U C16-C21 Aromatics μg/kg 13,800 B 117,000 B 1,900 U C21-C34 Aromatics μg/kg <				· · · · · · · · · · · · · · · · · · ·	,	
C8-C10 Aromatics (VPH) μg/kg 16,000 U 8,400 U 7,600 U C8-C10 Aromatics (EPH) μg/kg 2,100 U 2,200 U 1,900 U C10-C12 Aliphatics (VPH) μg/kg 16,000 U 8,400 U 7,600 U C10-C12 Aliphatics (EPH) μg/kg 2,100 U 2,730 1,900 U C10-C12 Aromatics (VPH) μg/kg 16,000 U 14,700 7,600 U C10-C12 Aromatics (EPH) μg/kg 2,100 U 2,200 U 1,900 U C12-C16 Aliphatics μg/kg 5,860 112,000 3,070 U 1,900 U 1,900 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>						
C8-C10 Aromatics (EPH) μg/kg 2,100 U 2,200 U 1,900 U C10-C12 Aliphatics (VPH) μg/kg 16,000 U 8,400 U 7,600 U C10-C12 Aliphatics (EPH) μg/kg 2,100 U 2,730 I,900 U 1,900 U C10-C12 Aromatics (VPH) μg/kg 16,000 U 14,700 T,600 U 7,600 U C10-C12 Aromatics (EPH) μg/kg 2,100 U 2,200 U 1,900 U C12-C16 Aliphatics μg/kg 5,860 D 112,000 D 3,070 D C12-C16 Aromatics μg/kg 2,710 D 8,910 D 1,900 U C16-C21 Aliphatics μg/kg 13,800 D 117,000 D 1,900 U C16-C21 Aromatics μg/kg 18,800 D 93,200 D 1,900 U C21-C34 Aliphatics μg/kg 76,100 D 7,910 D 2,030 D C21-C34 Aromatics μg/kg 88,100 D 4,610 D 1,900 U Sum of Petroleum Hydrocarbons² 10,000,000 D μg/kg 205,370 D 361,230 D 5,100 D				,		7
C10-C12 Aliphatics (VPH) μg/kg 16,000 U 8,400 U 7,600 U C10-C12 Aliphatics (EPH) μg/kg 2,100 U 2,730 1,900 U C10-C12 Aromatics (VPH) μg/kg 16,000 U 14,700 7,600 U C10-C12 Aromatics (EPH) μg/kg 2,100 U 2,200 U 1,900 U C12-C16 Aliphatics μg/kg 5,860 112,000 3,070 C12-C16 Aromatics μg/kg 2,710 8,910 1,900 U C16-C21 Aliphatics μg/kg 13,800 117,000 1,900 U C16-C21 Aromatics μg/kg 18,800 93,200 1,900 U C21-C34 Aliphatics μg/kg 76,100 7,910 2,030 C21-C34 Aromatics μg/kg 88,100 4,610 1,900 U Sum of Petroleum Hydrocarbons² 10,000,000 μg/kg 205,370 361,230 5,100						. ,
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$,			-,	,	
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	C10-C12 Aliphatics (VFII)					
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$						
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$						
C12-C16 Aromatics μg/kg 2,710 8,910 1,900 U C16-C21 Aliphatics μg/kg 13,800 117,000 1,900 U C16-C21 Aromatics μg/kg 18,800 93,200 1,900 U C21-C34 Aliphatics μg/kg 76,100 7,910 2,030 C21-C34 Aromatics μg/kg 88,100 4,610 1,900 U Sum of Petroleum Hydrocarbons² 10,000,000 μg/kg 205,370 361,230 5,100						
C16-C21 Aliphatics μg/kg 13,800 117,000 1,900 U C16-C21 Aromatics μg/kg 18,800 93,200 1,900 U C21-C34 Aliphatics μg/kg 76,100 7,910 2,030 C21-C34 Aromatics μg/kg 88,100 4,610 1,900 U Sum of Petroleum Hydrocarbons² 10,000,000 μg/kg 205,370 361,230 5,100						
C16-C21 Aromatics μg/kg 18,800 93,200 1,900 U C21-C34 Aliphatics μg/kg 76,100 7,910 2,030 C21-C34 Aromatics μg/kg 88,100 4,610 1,900 U Sum of Petroleum Hydrocarbons² 10,000,000 μg/kg 205,370 361,230 5,100						
C21-C34 Aliphatics μg/kg 76,100 7,910 2,030 C21-C34 Aromatics μg/kg 88,100 4,610 1,900 U Sum of Petroleum Hydrocarbons² 10,000,000 μg/kg 205,370 361,230 5,100						
C21-C34 Aromatics μg/kg 88,100 4,610 1,900 U Sum of Petroleum Hydrocarbons ² 10,000,000 μg/kg 205,370 361,230 5,100						
Sum of Petroleum Hydrocarbons ² 10,000,000 μg/kg 205,370 361,230 5,100					,	
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TPH ERO 3,100 mg/kg 225 314 18.2 TPH-GRO 3,100 mg/kg 17.3 J 18 U 16 U						

		Location ID	FR-SB06/FR-MW06	FR-SB07	FR-SB07
			FR-SB06(8-10)-100912D	FR-SB07(0-1)-101012	FR-SB07 FR-SB07(6.5-8.5)-101012
		Sampling Date	10/9/2012	10/10/2012	10/10/2012
		Depth Interval		10/10/2012	10/10/2012
		-		0.1	(5.95
		(ft bgs)	8- 10	0- 1	6.5- 8.5
Chemical Name	Level	Unit			
Volatile Organic Compounds					
2-Butanone (MEK)	28,000,000	μg/kg	4.2 U	1,000 U	450 U
Acetone	85,000,000	μg/kg	14.3	655 J	450 U
Benzene	15,000	μg/kg	4.2	100 U	45 U
Carbon Disulfide	740,000	μg/kg	4.2 U	1,000 U	450 U
Cis-1,2-Dichloroethene	220,000	μg/kg	1.7 U	410 U	180 U
Ethylbenzene	76,000	μg/kg	2.9	410 U	180 U
Methyl N-Butyl Ketone	290,000	μg/kg	4.2 U	1,000 U	450 U
Methylbenzene	820,000	μg/kg	9.5	1,000 U	450 U
Trichloroethylene	6,200	μg/kg	1.7 U	410 U	180 U
Xylene (total) Semi-Volatile Organic Compounds	260,000	μg/kg	1	90.4 J	180 U
2,4-Dimethylphenol	1,700,000	ua/ka	560 U	490 J	520 U
2-Methylnaphthalene	370,000	μg/kg μg/kg	110 U	4,150	1,980
Acenaphthene	4,800,000	μg/kg μg/kg	123	506	1,980 100 U
Acenaphthylene	4,800,000	μg/kg μg/kg	110 U	110 U	100 U
Anthracene	24,000,000	μg/kg μg/kg	110 U	149	100 U
Benzo(a)Anthracene	2,100	μg/kg μg/kg	110 U	118	100 U
Benzo(a)Pyrene	210	μg/kg	110 U	47.4 J	100 U
Benzo(b)Fluoranthene	2,100	μg/kg	110 U	83.4 J	100 U
Benzo(g.h.i)Pervlene	2,100	μg/kg	110 U	36.4 J	100 U
Benzo(k)Fluoranthene	21.000	μg/kg	110 U	110 U	100 U
Benzyl Butyl Phthalate	3,600,000	μg/kg	280 U	270 U	260 U
Bis(2-ethylhexyl)Phthalate	490,000	μg/kg	280 U	270 U	260 U
Carbazole		μg/kg	110 U	110 U	100 U
Chrysene (1,2-Benzphenanthracene)	210,000	μg/kg	110 U	116	100 U
Dibenzo(a,h)Anthracene	210	μg/kg	110 U	110 U	100 U
Dibenzofuran	110,000	μg/kg	110 U	477	60.8 J
Fluoranthene	3,200,000	μg/kg	110 U	487	21.9 J
Fluorene	3,200,000	μg/kg	110 U	454	60.5 J
Indeno(1,2,3-cd)Pyrene	2,100	μg/kg	110 U	29.2 J	100 U
Naphthalene	50,000	μg/kg	110 U	779	770
Phenanthrene		μg/kg	110 U	914	103
Pyrene	2,400,000	μg/kg	110 U	381	22 J
Petroleum Hydrocarbons	1	T // T	7.200	10.000 11	11.000 11
C6-C8 Aliphatics		μg/kg	7,200 U	10,000 U	11,000 U
C8-C10 Aliphatics (VPH)		μg/kg	7,200 U 2,000 U	49,500 57,500	11,000 U 1,800 U
C8-C10 Aliphatics (EPH) C8-C10 Aromatics (VPH)		μg/kg μg/kg	2,000 U 7,200 U	104,000	6,600 J
C8-C10 Aromatics (VPH)		μg/kg μg/kg	2,000 U	3,750	2,780
C10-C12 Aliphatics (VPH)		μg/kg μg/kg	7,200 U	607,000	20,100
C10-C12 Aliphatics (V11)			2.000 11	500.000	1,220
C10-C12 Amphatics (EFT)		μg/kg μg/kg	7,200 U	598,000 579,000	4,230 52,100
C10-C12 Aromatics (V11)		μg/kg μg/kg	2,000 U	50,800	5,590
C12-C16 Aliphatics		μg/kg μg/kg	2,000 U	1.550.000	15,500
C12-C16 Aromatics		μg/kg μg/kg	2,000 U	324,000	6,290
C16-C21 Aliphatics		μg/kg	2,220	142,000	7,030
C16-C21 Aromatics		μg/kg	2,210	124,000	3,100
C21-C34 Aliphatics		μg/kg	2,000 U	51,500	4,250
C21-C34 Aromatics		μg/kg	2,000 U	36,200	2,250
Sum of Petroleum Hydrocarbons ²	10,000,000	μg/kg	4,430	3,628,450	113,400
TPH ERO	3,100	μg/kg mg/kg	8.9 J	1,330	214
TPH-GRO	3,100	mg/kg	15 U	592	21.6 J

		Location ID	FR-SB07	FR-SB08	FR-SB08
			FR-SB07(10-12)-101012	FR-SB08(0-1)-101012	FR-SB08(6-8)-101012
		Sampling Date	10/10/2012	10/10/2012	10/10/2012
		Depth Interval		10/10/2012	10/10/2012
		(ft bgs)	10- 12	0- 1	6-8
Chemical Name	Level ¹	Unit	10 12	0 1	0 0
Volatile Organic Compounds		Cint			
2-Butanone (MEK)	28,000,000	μg/kg	1,200 U	890 U	530 U
Acetone	85,000,000	μg/kg μg/kg	333 J	761 J	530 U
Benzene	15,000	μg/kg μg/kg	120 U	66.8 J	53 U
Carbon Disulfide	740,000	μg/kg μg/kg	1.200 U	890 U	530 U
Cis-1,2-Dichloroethene	220,000	μg/kg μg/kg	470 U	360 U	210 U
Ethylbenzene	76,000	μg/kg μg/kg	470 U	145 J	210 U
Methyl N-Butyl Ketone	290,000	μg/kg μg/kg	1,200 U	890 U	530 U
Methylbenzene	820,000	μg/kg μg/kg	1,200 U	258 J	530 U
Trichloroethylene	6,200	μg/kg μg/kg	470 U	360 U	210 U
Xylene (total)	260,000	μg/kg μg/kg	470 U	747	210 U
Semi-Volatile Organic Compounds	200,000	μg/ K g	470 0	/+/	210 U
2,4-Dimethylphenol	1,700,000	μg/kg	287 Ј	5,800 U	630 U
2-Methylnaphthalene	370,000	μg/kg μg/kg	500	979 J	130 U
Acenaphthene	4.800.000	μg/kg μg/kg	203	979 J 937 J	168
Acenaphthylene	4,800,000	μg/kg μg/kg	120 U	677 J	130 U
Anthracene	24,000,000	μg/kg μg/kg	60.3 J	1.430	130 U
Benzo(a)Anthracene	2,100	μg/kg μg/kg	58.1 J	2,580	186
	2,100		120 U	1,580	81.9 J
Benzo(a)Pyrene Benzo(b)Fluoranthene	2.100	μg/kg μg/kg	120 U	2,980	134
Benzo(g,h,i)Perylene	2,100		120 U	992 J	38.8 J
Benzo(k)Fluoranthene	21,000	μg/kg μg/kg	120 U	895 J	48.3 J
Benzyl Butyl Phthalate	3,600,000	μg/kg μg/kg	300 U	2,900 U	310 U
Bis(2-ethylhexyl)Phthalate	490,000	μg/kg μg/kg	300 U	2,900 U	310 U
Carbazole	490,000	μg/kg μg/kg	120 U	1,200 U	130 U
Chrysene (1,2-Benzphenanthracene)	210,000	μg/kg μg/kg	53.8 J	3,380	236
Dibenzo(a,h)Anthracene	210,000		120 U		130 U
Dibenzofuran	110,000	μg/kg μg/kg	120 U	313 J 879 J	130 U
Fluoranthene	3,200,000	100	148	6,040	547
Fluorene	3,200,000	μg/kg μg/kg	271	1.110 J	130 U
Indeno(1,2,3-cd)Pyrene	2,100	μg/kg μg/kg	120 U	932 J	33.2 J
Naphthalene	50,000	μg/kg μg/kg	120 U	1.150 J	130 U
Phenanthrene	50,000		592	2,220	130 U
Pyrene	2,400,000	μg/kg μg/kg	133	4.650	421
Petroleum Hydrocarbons	2,400,000	μg/kg	133	4,030	421
C6-C8 Aliphatics		μg/kg	7,700 U	NA	NA
C8-C10 Aliphatics (VPH)		μg/kg μg/kg	23,900	NA NA	NA NA
C8-C10 Aliphatics (VFH) C8-C10 Aliphatics (EPH)		μg/kg μg/kg	36,000	NA NA	NA NA
C8-C10 Ampliatics (EFH) C8-C10 Aromatics (VPH)		μg/kg μg/kg	41,500	NA NA	NA NA
C8-C10 Aromatics (VFH)		μg/kg μg/kg	2,100 U	NA NA	NA NA
C10-C12 Aliphatics (VPH)		μg/kg μg/kg	205,000	NA NA	NA NA
C10-C12 Aliphatics (V111)		μg/kg μg/kg	264,000	NA NA	NA NA
C10-C12 Ariphatics (EF11) C10-C12 Aromatics (VPH)		μg/kg μg/kg	225,000	NA NA	NA NA
C10-C12 Aromatics (V11)		μg/kg	18,300	NA NA	NA NA
C12-C16 Aliphatics		μg/kg μg/kg	856,000	NA NA	NA NA
C12-C16 Ariphatics		μg/kg	149,000	NA NA	NA NA
C16-C21 Aliphatics		μg/kg μg/kg	183,000	NA NA	NA NA
C16-C21 Annatics		μg/kg μg/kg	91,400	NA NA	NA NA
C21-C34 Aliphatics		μg/kg μg/kg	75,200	NA NA	NA NA
C21-C34 Ariphatics		μg/kg μg/kg	30,800	NA NA	NA NA
	1	1 1	,		
Sum of Petroleum Hydrocarbons ²	10,000,000	μg/kg	1,951,900	NA	NA
TPH ERO	3,100	mg/kg	1,030	NA	NA NA
TPH-GRO	3,100	mg/kg	218	NA	NA

		Location ID	FR-SB08	FR-SB09	FR-SB09
		Field Sample ID	FR-SB08(8-10)-101012	FR-SB09(0-1)-101012	FR-SB09(5.5-7.5)-101012
		Sampling Date	10/10/2012	10/10/2012	10/10/2012
		Depth Interval	10/10/2012	10/10/2012	10/10/2012
		(ft bgs)	8- 10	0- 1	5.5- 7.5
CI IN	Level ¹		o- 10	U- 1	5.5- 7.5
Chemical Name	Level	Unit			
Volatile Organic Compounds					
2-Butanone (MEK)	28,000,000	μg/kg	390 U	5.4 U	5.3 U
Acetone	85,000,000	μg/kg	205 J	5.4 U	32.5
Benzene Carbon Disulfide	15,000 740,000	μg/kg	39 U 390 U	1.6 2.3 J	0.53 U 1.2 J
Cis-1,2-Dichloroethene	220,000	μg/kg μg/kg	160 U	2.3 J 2.2 U	1.2 J 2.1 U
Ethylbenzene	76,000	μg/kg μg/kg	160 U	0.83 J	2.1 U
Methyl N-Butyl Ketone	290,000	μg/kg μg/kg	98.5 J	5.4 U	5.3 U
Methylbenzene	820,000	μg/kg μg/kg	390 U	3.4 U	5.3 U
Trichloroethylene	6,200	μg/kg μg/kg	160 U	2.2 U	2.1 U
Xylene (total)	260,000	μg/kg	160 U	1.4 J	2.1 U
Semi-Volatile Organic Compounds	200,000	M B/ N B	100 0	I.I. V	2.1 0
2,4-Dimethylphenol	1,700,000	μg/kg	590 U	630 U	33,000 U
2-Methylnaphthalene	370,000	μg/kg	120 U	40.4 J	14,400
Acenaphthene	4,800,000	μg/kg	120 U	130 U	31,000
Acenaphthylene		μg/kg	120 U	130 U	5,460 J
Anthracene	24,000,000	μg/kg	120 U	130 U	55,100
Benzo(a)Anthracene	2,100	μg/kg	307	130 U	67,200
Benzo(a)Pyrene	210	μg/kg	143	33.1 J	59,400
Benzo(b)Fluoranthene	2,100	μg/kg	259	130 U	72,000
Benzo(g,h,i)Perylene		μg/kg	120 U	130 U	35,800
Benzo(k)Fluoranthene	21,000	μg/kg	97.4 J	130 U	22,100
Benzyl Butyl Phthalate	3,600,000	μg/kg	290 U	310 U	16,000 U
Bis(2-ethylhexyl)Phthalate	490,000	μg/kg	290 U	310 U	16,000 U
Carbazole		μg/kg	120 U	130 U	18,700
Chrysene (1,2-Benzphenanthracene) Dibenzo(a,h)Anthracene	210,000 210	μg/kg	370 120 U	83.6 J 130 U	54,000 8,830
Dibenzo(a,n)Anthracene Dibenzofuran	110,000	μg/kg μg/kg	120 U	130 U 130 U	30,700
Fluoranthene	3,200,000	μg/kg μg/kg	857	49.1 J	196.000
Fluorene	3,200,000	μg/kg μg/kg	120 U	130 U	34,000
Indeno(1,2,3-cd)Pyrene	2,100	μg/kg	120 U	130 U	31,700
Naphthalene	50,000	μg/kg	120 U	27.7 J	33,600
Phenanthrene		μg/kg	120 U	47.2 J	230,000
Pyrene	2,400,000	μg/kg	728	130 U	161,000
Petroleum Hydrocarbons		100			,
C6-C8 Aliphatics		μg/kg	NA	7,700 U	9,400 U
C8-C10 Aliphatics (VPH)		μg/kg	NA	7,700 U	9,400 U
C8-C10 Aliphatics (EPH)		μg/kg	NA	2,300 U	2,300 U
C8-C10 Aromatics (VPH)		μg/kg	NA	7,700 U	9,400 U
C8-C10 Aromatics (EPH)		μg/kg	NA	2,300 U	2,300 U
C10-C12 Aliphatics (VPH)		μg/kg	NA	4,280 J	9,400 U
C10-C12 Aliphatics (EPH)		μg/kg	NA NA	2,300 U	6,450
C10-C12 Aromatics (VPH)		μg/kg	NA NA	10,400	9,400 U
C10-C12 Aromatics (EPH)		μg/kg	NA NA	2,300 U	2,300 U
C12-C16 Aliphatics C12-C16 Aromatics		μg/kg	NA NA	2,710	51,100 4,300
C16-C21 Aliphatics		μg/kg	NA NA	2,300 U 2,590	4,300 60.100
C16-C21 Aniphatics C16-C21 Aromatics		μg/kg μg/kg	NA NA	2,590	30,500
C21-C34 Aliphatics		μg/kg μg/kg	NA NA	5,090	179,000
C21-C34 Ariphatics		μg/kg μg/kg	NA NA	2,300 U	62,300
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Sum of Petroleum Hydrocarbons ²	10,000,000	μg/kg	NA NA	23,260	393,750
TPH ERO TPH-GRO	3,100 3,100	mg/kg	NA NA	67.3	866 20 U
1111-0KU	3,100	mg/kg	NA	6.52 J	20 U

		Location ID	FR-SB09	FR-SB10	FR-SB10
		Field Sample ID		FR-SB10(0-1)-101012	FR-SB10(5-7)-101012
		Sampling Date	10/10/2012	10/10/2012	10/10/2012
		Depth Interval	10/10/2012	10/10/2012	10/10/2012
		(ft bgs)	9- 11	0- 1	5- 7
CI IN	Level¹		<i>y</i> - 11	0- 1	3- 1
Chemical Name	Level	Unit			
Volatile Organic Compounds		-			
2-Butanone (MEK)	28,000,000	μg/kg	5.1 U	5.1 U	5.2 U
Acetone	85,000,000	μg/kg	5.1 U	5.1 U	24.1
Benzene	15,000	μg/kg	2 5.1 H	1.3	0.52 U
Carbon Disulfide	740,000	μg/kg	5.1 U 2 U	1.6 J	5.2 U
Cis-1,2-Dichloroethene	220,000	μg/kg		2 U	2.1 U
Ethylbenzene	76,000	μg/kg	0.68 J	2 U 5.1 U	2.1 U 5.2 U
Methyl N-Butyl Ketone	290,000 820,000	μg/kg	5.1 U 2.9 J	5.1 U 2.2 J	5.2 U 5.2 U
Methylbenzene Trichloroethylene	6,200	μg/kg	2.9 J 2 U	2.2 J 2 U	2.1 U
Xylene (total)	260,000	μg/kg μg/kg	0.82 J	2 U	2.1 U
Semi-Volatile Organic Compounds	200,000	μg/kg	0.82 J	2 0	2.1 0
2,4-Dimethylphenol	1,700,000	μg/kg	600 U	540 U	650 U
2-Methylnaphthalene	370,000	μg/kg μg/kg	120 U	30.4 J	130 U
Acenaphthene	4,800,000	μg/kg μg/kg	120 U	110 U	130 U
Acenaphthylene		μg/kg μg/kg	120 U	110 U	130 U
Anthracene	24,000,000	μg/kg	120 U	23.6 J	130 U
Benzo(a)Anthracene	2,100	μg/kg	120 U	117	130 U
Benzo(a)Pyrene	210	μg/kg	120 U	117	130 U
Benzo(b)Fluoranthene	2,100	μg/kg	120 U	161	130 U
Benzo(g,h,i)Perylene		μg/kg	120 U	77 J	130 U
Benzo(k)Fluoranthene	21,000	μg/kg	120 U	58.7 J	130 U
Benzyl Butyl Phthalate	3,600,000	μg/kg	300 U	270 U	320 U
Bis(2-ethylhexyl)Phthalate	490,000	μg/kg	300 U	270 U	202 J
Carbazole		μg/kg	120 U	110 U	130 U
Chrysene (1,2-Benzphenanthracene)	210,000	μg/kg	120 U	107 J	130 U
Dibenzo(a,h)Anthracene	210	μg/kg	120 U	23.4 J	130 U
Dibenzofuran	110,000	μg/kg	120 U	110 U	130 U
Fluoranthene	3,200,000	μg/kg	120 U	173	18.9 J
Fluorene	3,200,000	μg/kg	120 U	110 U	130 U
Indeno(1,2,3-cd)Pyrene	2,100	μg/kg	120 U	64.4 J	130 U
Naphthalene	50,000	μg/kg	120 U	12.9 J	16.2 J
Phenanthrene		μg/kg	120 U	144	15.8 J
Pyrene	2,400,000	μg/kg	120 U	152	17.9 J
Petroleum Hydrocarbons					
C6-C8 Aliphatics		μg/kg	6,000 U	7,300 U	10,000 U
C8-C10 Aliphatics (VPH)		μg/kg	6,000 U	7,300 U	5,240 J
C8-C10 Aliphatics (EPH)		μg/kg	2,200 U	2,000 U	4,180
C8-C10 Aromatics (VPH)		μg/kg	6,000 U	7,300 U	13,700
C8-C10 Aromatics (EPH)		μg/kg	2,200 U	2,000 U	2,300 U
C10-C12 Aliphatics (VPH)		μg/kg	6,000 U	7,300 U	31,000
C10-C12 Aliphatics (EPH) C10-C12 Aromatics (VPH)		μg/kg	2,200 U	2,000 U	7,350
		μg/kg	6,000 U	7,300 U	23,500
C10-C12 Aromatics (EPH) C12-C16 Aliphatics		μg/kg	2,200 U 2,200 U	2,000 U 2,000 U	2,300 U 3,400
C12-C16 Aniphatics C12-C16 Aromatics		μg/kg μg/kg	2,200 U 2,200 U	2,000 U 2,000 U	3,400 2,300 U
C12-C16 Aromatics C16-C21 Aliphatics		μg/kg μg/kg	2,200 U	2,000 U	19,400
C16-C21 Aniphatics C16-C21 Aromatics			2,200 U	2,000 U	5,010
C21-C34 Aliphatics		μg/kg μg/kg	2,200 U	2,000 U	371,000
C21-C34 Ariphatics		μg/kg μg/kg	2,200 U	2,000 U	45,000
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Sum of Petroleum Hydrocarbons ²	10,000,000	μg/kg	ND	ND	519,550
TPH ERO	3,100	mg/kg	8.27 J	18	145
TPH-GRO	3,100	mg/kg	13 U	15 U	36.1

		Location ID	FR-SB10	FR-SB11	FR-SB12
		Field Sample ID	FR-SB10(9-11)-101012	FR-SB11(0-0.5)-100912	FR-SB12(0-1)-101012
		Sampling Date	10/10/2012	10/9/2012	10/10/2012
		Depth Interval	10/10/1011	10/3/2012	10,10,2012
		(ft bgs)	9- 11	05	0-1
Chemical Name	Level	Unit	, 11	V 10	V 1
	Ecter	Cint			
Volatile Organic Compounds 2-Butanone (MEK)	28,000,000	ua/ka	5.1 II	730 U	4.8 U
Acetone	85,000,000	μg/kg μg/kg	5.1 U 5.1 U	730 U 732	26.3
Benzene	15,000	μg/kg μg/kg	1.9	73 U	0.48 U
Carbon Disulfide	740.000	μg/kg μg/kg	5.1 U	730 U	4.8 U
Cis-1,2-Dichloroethene	220,000	μg/kg μg/kg	2 U	290 U	1.9 U
Ethylbenzene	76,000	μg/kg μg/kg	0.75 J	36.9 J	1.9 U
Methyl N-Butyl Ketone	290,000	μg/kg μg/kg	5.1 U	730 U	4.8 U
Methylbenzene	820,000	μg/kg μg/kg	3.1 J	730 U	4.8 U
Trichloroethylene	6,200	μg/kg	2 U	290 U	1.9 U
Xylene (total)	260,000	μg/kg μg/kg	0.98 J	121 J	1.9 U
Semi-Volatile Organic Compounds	200,000	μg/Kg	0.20	121 3	1.9
2,4-Dimethylphenol	1,700,000	μg/kg	600 U	15,000 U	540 U
2-Methylnaphthalene	370,000	μg/kg	120 U	1,030 J	6,150
Acenaphthene	4,800,000	μg/kg	120 U	3,000 U	82.6 J
Acenaphthylene		μg/kg	120 U	3,000 U	110 U
Anthracene	24,000,000	μg/kg	120 U	1.420 J	83.3 J
Benzo(a)Anthracene	2,100	μg/kg	120 U	6,740	238
Benzo(a)Pyrene	210	μg/kg	120 U	3,000 U	159
Benzo(b)Fluoranthene	2,100	μg/kg	120 U	3,000 U	259
Benzo(g,h,i)Perylene		μg/kg	120 U	3,770	128
Benzo(k)Fluoranthene	21,000	μg/kg	120 U	3,000 U	70.1 J
Benzyl Butyl Phthalate	3,600,000	μg/kg	300 U	7,600 U	270 U
Bis(2-ethylhexyl)Phthalate	490,000	μg/kg	300 U	10,000	270 U
Carbazole		μg/kg	120 U	3,000 U	110 U
Chrysene (1,2-Benzphenanthracene)	210,000	μg/kg	120 U	17,400	230
Dibenzo(a,h)Anthracene	210	μg/kg	120 U	2,020 J	31.3 J
Dibenzofuran	110,000	μg/kg	120 U	3,000 U	170
Fluoranthene	3,200,000	μg/kg	120 U	3,690	384
Fluorene	3,200,000	μg/kg	120 U	3,000 U	150
Indeno(1,2,3-cd)Pyrene	2,100	μg/kg	120 U	2,700 J	107 J
Naphthalene	50,000	μg/kg	120 U	623 J	255
Phenanthrene		μg/kg	120 U	3,000 U	723
Pyrene	2,400,000	μg/kg	120 U	3,000 U	110 U
Petroleum Hydrocarbons			0.200	12.000 11	6000 11
C6-C8 Aliphatics		μg/kg	8,300 U	12,000 U	6,900 U
C8-C10 Aliphatics (VPH)		μg/kg	8,300 U	12,000 U	6,900 U
C8-C10 Aliphatics (EPH)		μg/kg	2,100 U	2,200 U 12.000 U	5,290
C8-C10 Aromatics (VPH)		μg/kg	8,300 U 2,100 U	,	6,900 U 1,900 U
C8-C10 Aromatics (EPH) C10-C12 Aliphatics (VPH)		μg/kg	2,100 U 8,300 U	4,680 12,000 U	6,900 U
C10-C12 Aliphatics (VFH)		μg/kg	2,100 U	2,200 U	30,600
		μg/kg	4,980 J		6,900 U
C10-C12 Aromatics (VPH) C10-C12 Aromatics (EPH)		μg/kg μg/kg	2,100 U	5,960 J 3,470	6,900 U 6,840
C12-C16 Aliphatics		μg/kg μg/kg	2,100 U	403,000	178,000
C12-C16 Ariphatics		μg/kg μg/kg	2,100 U	29,900	82,000
C16-C21 Aliphatics		μg/kg μg/kg	2,100 U	1,820,000	109,000
C16-C21 Aniphatics C16-C21 Aromatics		μg/kg μg/kg	2,100 U	519,000	112,000
C21-C34 Aliphatics		μg/kg μg/kg	2,100 U	8,450,000	57,800
C21-C34 Aromatics		μg/kg μg/kg	2,100 U	2,180,000	70,500
	•				<i>'</i>
Sum of Petroleum Hydrocarbons ²	10,000,000	μg/kg	4,980	13,412,540	652,030
TPH ERO	3,100	mg/kg	8.11 J	58,400	323
TPH-GRO	3,100	mg/kg	18 U	7.45 J	14 U

		Location ID	FR-SB12	FR-SB12	FR-SB12
		Field Sample ID	FR-SB12(5-7)-101012	FR-SB12(5-7)101012D	FR-SB12(10-12)-101012
		Sampling Date	10/10/2012	10/10/2012	10/10/2012
		Depth Interval	10/10/2012	10/10/2012	10/10/2012
		(ft bgs)	5- 7	5- 7	10- 12
Chemical Name	Level ¹	Unit		5 /	10 12
Volatile Organic Compounds		Cint		<u> </u>	
2-Butanone (MEK)	28,000,000	μg/kg	510 U	490 U	920 U
Acetone	85,000,000	μg/kg μg/kg	341 J	490 U	347 J
Benzene	15,000	μg/kg μg/kg	51 U	49 U	92 U
Carbon Disulfide	740,000	μg/kg μg/kg	510 U	490 U	920 U
Cis-1,2-Dichloroethene	220,000	μg/kg μg/kg	200 U	200 U	370 U
Ethylbenzene	76.000	μg/kg μg/kg	200 U	200 U	370 U
Methyl N-Butyl Ketone	290,000	μg/kg μg/kg	510 U	490 U	920 U
Methylbenzene	820,000	μg/kg μg/kg	510 U	490 U	920 U
Trichloroethylene	6,200	μg/kg μg/kg	200 U	200 U	370 U
Xylene (total)	260,000	μg/kg μg/kg	200 U	200 U	370 U
Semi-Volatile Organic Compounds	200,000	μg/Ng	200 0	200 0	370 0
2,4-Dimethylphenol	1,700,000	μg/kg	610 U	600 U	5,300 U
2-Methylnaphthalene	370,000	μg/kg μg/kg	118 J	6,050	23,600
Acenaphthene	4.800.000		120 U	287	424 J
Acenaphthylene	4,800,000	μg/kg μg/kg	120 U	120 U	1,100 U
Anthracene	24,000,000		75.4 J	120 0	1,100 U
Benzo(a)Anthracene	2,100	μg/kg μg/kg	120 U	33.5 J	1,100 U
Benzo(a)Antinacene Benzo(a)Pyrene	2,100	μg/kg μg/kg	120 U	29.1 J	1,100 U
Benzo(b)Fluoranthene	2.100	μg/kg μg/kg	120 U	120 U	1,100 U
Benzo(g,h,i)Perylene	2,100		120 U	25 J	1,100 U
Benzo(k)Fluoranthene	21,000	μg/kg μg/kg	120 U	120 U	1,100 U
Benzyl Butyl Phthalate	3,600,000	μg/kg μg/kg	300 U	300 U	2,700 U
Bis(2-ethylhexyl)Phthalate	490,000	μg/kg μg/kg	300 U	300 U	2,700 U
Carbazole	490,000	μg/kg μg/kg	120 U	120 U	1,100 U
Chrysene (1,2-Benzphenanthracene)	210,000	μg/kg μg/kg	120 U 19.2 J	27.2 J	1,100 U
Dibenzo(a,h)Anthracene	210,000	μg/kg μg/kg	19.2 J 120 U	120 U	1,100 U
Dibenzofuran	110,000	μg/kg μg/kg	120 U	120 U	584 J
Fluoranthene	3,200,000		120 U	76.5 J	1,100 U
Fluorene	3,200,000	μg/kg μg/kg	284	456	786 J
Indeno(1,2,3-cd)Pyrene	2,100	μg/kg μg/kg	120 U	120 U	1,100 U
Naphthalene	50,000	μg/kg μg/kg	120 U	1.190	1,720
Phenanthrene	50,000	μg/kg μg/kg	504	807	1,720
Pyrene	2,400,000	μg/kg μg/kg	48 J	145	1,100 U
Petroleum Hydrocarbons	2,400,000	μg/kg	46 J	143	1,100 C
C6-C8 Aliphatics		μg/kg	3,100 J	7,900 U	3,860 J
C8-C10 Aliphatics (VPH)		μg/kg μg/kg	19,300 J	16,400	15,400 J
C8-C10 Aliphatics (VFH)		μg/kg μg/kg	7,250	10,400	7,750
C8-C10 Anguatics (EPH)		μg/kg μg/kg	24,500	21,900	19,300
C8-C10 Aromatics (VPH)		μg/kg μg/kg	24,300 U	21,900 2,100 U	2,000 U
C10-C12 Aliphatics (VPH)		μg/kg μg/kg	98,600	97,800	91,700
C10-C12 Aliphatics (VF11)		μg/kg μg/kg	49,600	62,800	59,700
C10-C12 Amphatics (EFT)		μg/kg μg/kg	170,000	181,000	175,000
C10-C12 Aromatics (VF11)		μg/kg μg/kg	9,820	13,300	11,200
C12-C16 Aliphatics		μg/kg μg/kg	275,000	221,000	503,000
C12-C10 Amphatics C12-C16 Aromatics		μg/kg μg/kg	89,400	104,000	132,000
C16-C21 Aliphatics		μg/kg μg/kg	133,000	91,100	310,000
C16-C21 Ariphatics C16-C21 Aromatics		μg/kg μg/kg	101,000	107,000	151,000
C21-C34 Aliphatics		μg/kg μg/kg	27,900	55,400	64,800
C21-C34 Ariphatics		μg/kg μg/kg	24,900	72,200	28,300
		· · · · · ·	,		
Sum of Petroleum Hydrocarbons ²	10,000,000	μg/kg	944,300	967,800	1,475,100
TPH ERO	3,100	mg/kg	1,030	1,340	916
TPH-GRO	3,100	mg/kg	123	116	108

		Location ID	FR-SB13	FR-SB13	FR-SB13
		Field Sample ID	FR-SB13(0-1)-101012	FR-SB13(5-7)-101012	FR-SB13(9-11)-101012
		Sampling Date	10/10/2012	10/10/2012	10/10/2012
		Depth Interval	10/10/2012	10/10/2012	10/10/2012
		(ft bgs)	0-1	5- 7	9- 11
Chemical Name	Level ¹	Unit	<u>v -</u>		, 11
Volatile Organic Compounds		Cint			
2-Butanone (MEK)	28,000,000	μg/kg	690 U	820 U	4.7 U
Acetone	85,000,000	μg/kg μg/kg	284 J	425 J	4.7 U
Benzene	15,000	μg/kg μg/kg	156	126	0.99
Carbon Disulfide	740,000	μg/kg μg/kg	690 U	820 U	4.7 U
Cis-1.2-Dichloroethene	220,000	μg/kg μg/kg	280 U	330 U	2.1
Ethylbenzene	76,000	μg/kg	242 J	170 J	0.28 J
Methyl N-Butyl Ketone	290,000	μg/kg	690 U	176 J	4.7 U
Methylbenzene	820,000	μg/kg	727	499 J	1.3 J
Trichloroethylene	6,200	μg/kg	280 U	316 J	1.9 U
Xylene (total)	260,000	μg/kg	1.500	1.190	0.74 J
Semi-Volatile Organic Compounds	200,000	rb b	-,000	2,270	.
2,4-Dimethylphenol	1,700,000	μg/kg	5,800 U	2,900 U	600 U
2-Methylnaphthalene	370,000	μg/kg	2,230	2,520	280
Acenaphthene	4,800,000	μg/kg	1,200 U	358 J	191
Acenaphthylene		μg/kg	1,200 U	580 U	120 U
Anthracene	24,000,000	μg/kg	1,200 U	1,030	505
Benzo(a)Anthracene	2,100	μg/kg	671 J	1,160	585
Benzo(a)Pyrene	210	μg/kg	431	698	527
Benzo(b)Fluoranthene	2,100	μg/kg	642 J	900	655
Benzo(g,h,i)Perylene		μg/kg	372 Ј	421 J	340
Benzo(k)Fluoranthene	21,000	μg/kg	224 Ј	295 Ј	234
Benzyl Butyl Phthalate	3,600,000	μg/kg	2,900 U	1,500 U	300 U
Bis(2-ethylhexyl)Phthalate	490,000	μg/kg	2,900 U	140 J	300 U
Carbazole		μg/kg	1,200 U	395 J	208
Chrysene (1,2-Benzphenanthracene)	210,000	μg/kg	630 J	977	476
Dibenzo(a,h)Anthracene	210	μg/kg	1,200 U	129 J	103 J
Dibenzofuran	110,000	μg/kg	507 J	729	186
Fluoranthene	3,200,000	μg/kg	1,040 J	2,690	1,340
Fluorene	3,200,000	μg/kg	1,200 U	536 J	252
Indeno(1,2,3-cd)Pyrene	2,100	μg/kg	324 J	366 J	302
Naphthalene	50,000	μg/kg	1,790	2,050	290
Phenanthrene		μg/kg	1,610	3,260	1,570
Pyrene	2,400,000	μg/kg	775 J	1,810	995
Petroleum Hydrocarbons C6-C8 Aliphatics	1	/1	7,340 J	10,000 U	8,700 U
		μg/kg		- ,	
C8-C10 Aliphatics (VPH) C8-C10 Aliphatics (EPH)		μg/kg	9,790 J 5,430	5,230 J 3,000	8,700 U 2,100 U
C8-C10 Aniphatics (EPH) C8-C10 Aromatics (VPH)		μg/kg	13,700	3,000 8,860 J	8,700 U
C8-C10 Aromatics (VPH) C8-C10 Aromatics (EPH)		μg/kg	4.080	8,860 J 2,570	8,700 U 2.100 U
C10-C12 Aliphatics (VPH)		μg/kg μg/kg	4,080 10,300 J	11,100	8,700 U
C10-C12 Aliphatics (VPH)		μg/kg μg/kg	4,420	6,660	2,100 U
C10-C12 Aniphatics (EPH)		μg/kg μg/kg	18,200	19,600	8,700 U
C10-C12 Aromatics (VPH)		μg/kg μg/kg	3,970	2,200	2,100 U
C12-C16 Aliphatics		μg/kg μg/kg	17,400	40,700	4,620
C12-C16 Ariphatics		μg/kg μg/kg	14,500	13,100	2,100 U
C16-C21 Aliphatics		μg/kg μg/kg	31,300	24,800	8,280
C16-C21 Aromatics		μg/kg μg/kg	47,000	36,600	5,600
C21-C34 Aliphatics		μg/kg μg/kg	150,000	98.200	7,490
C21-C34 Ariphatics		μg/kg μg/kg	177,000	104,000	3,210
Sum of Petroleum Hydrocarbons ²			483,310	, , , , , , , , , , , , , , , , , , ,	29,200
	10,000,000	μg/kg mg/kg	483,310 322	365,190	
TPH ERO TPH-GRO	3,100 3,100	mg/kg	322 25.5	352 20.9 J	43.8 19 U
1111-0KO	5,100	mg/kg	43.3	20.9 J	19 U

		Location ID	FR-SB14	FR-SB14	FR-SB14
		Field Sample ID	FR-SB14(0-1)-101012	FR-SB14(7-9)-101012	FR-SB14(10-12)-101012
		Sampling Date	10/10/2012	10/10/2012	10/10/2012
		Depth Interval	10/10/2012	10/10/2012	10/10/2012
		(ft bgs)	0-1	7- 9	10- 12
G	T1		U- 1	7- 9	10- 12
Chemical Name	Level ¹	Unit			
Volatile Organic Compounds					
2-Butanone (MEK)	28,000,000	μg/kg	6.1 U	5 U	4.5 U
Acetone	85,000,000	μg/kg	6.1 U	5 U	4.5 U
Benzene	15,000	μg/kg	0.61 U	2.6	1.1
Carbon Disulfide	740,000	μg/kg	2.2 J	5 U	4.5 U
Cis-1,2-Dichloroethene	220,000	μg/kg	2.4 U	2 U	1.8 U
Ethylbenzene	76,000	μg/kg	2.4 U	0.99 J	1.8 U
Methyl N-Butyl Ketone	290,000	μg/kg	6.1 U	5 U	4.5 U
Methylbenzene	820,000	μg/kg	6.1 U	4.2 J	1.6 J
Trichloroethylene	6,200	μg/kg	2.4 U	2 U	1.8 U
Xylene (total)	260,000	μg/kg	2.4 U	2	1.8 U
Semi-Volatile Organic Compounds	1,700,000	ug/lsa I	2,800 U	640 U	550 U
2,4-Dimethylphenol 2-Methylnaphthalene	370,000	μg/kg μg/kg	743	130 U	110 U
Acenaphthene		μg/kg μα/kα	550 U		
Acenaphthylene	4,800,000	μg/kg μg/kg	237 J	130 U 130 U	110 U 110 U
Anthracene	24,000,000	μg/kg μg/kg	162 J	130 U	110 U
Benzo(a)Anthracene	2,100	μg/kg μg/kg	568	130 U	110 U
Benzo(a)Pyrene	210	μg/kg μg/kg	435 J	130 U	110 U
Benzo(b)Fluoranthene	2,100	μg/kg μg/kg	715	130 U	110 U
Benzo(g,h,i)Perylene	2,100	μg/kg μg/kg	339 J	130 U	110 U
Benzo(k)Fluoranthene	21.000	μg/kg	241 J	130 U	110 U
Benzyl Butyl Phthalate	3,600,000	μg/kg	1,400 U	320 U	270 U
Bis(2-ethylhexyl)Phthalate	490,000	μg/kg	1,400 U	320 U	270 U
Carbazole		μg/kg	550 U	130 U	110 U
Chrysene (1,2-Benzphenanthracene)	210,000	μg/kg	563	130 U	110 U
Dibenzo(a,h)Anthracene	210	μg/kg	124 J	130 U	110 U
Dibenzofuran	110,000	μg/kg	178 J	130 U	110 U
Fluoranthene	3,200,000	μg/kg	773	130 U	110 U
Fluorene	3,200,000	μg/kg	550 U	130 U	110 U
Indeno(1,2,3-cd)Pyrene	2,100	μg/kg	309 J	130 U	110 U
Naphthalene	50,000	μg/kg	307 J	130 U	110 U
Phenanthrene		μg/kg	528 J	130 U	110 U
Pyrene	2,400,000	μg/kg	598	130 U	110 U
Petroleum Hydrocarbons					
C6-C8 Aliphatics		μg/kg	NA	NA	NA
C8-C10 Aliphatics (VPH)		μg/kg	NA	NA	NA
C8-C10 Aliphatics (EPH)		μg/kg	NA	NA	NA
C8-C10 Aromatics (VPH)		μg/kg	NA	NA	NA NA
C8-C10 Aromatics (EPH)		μg/kg	NA NA	NA NA	NA NA
C10-C12 Aliphatics (VPH)		μg/kg	NA NA	NA NA	NA NA
C10-C12 Aliphatics (EPH)		μg/kg	NA NA	NA NA	NA NA
C10-C12 Aromatics (VPH)		μg/kg	NA NA	NA NA	NA NA
C10-C12 Aromatics (EPH)		μg/kg	NA NA	NA NA	NA NA
C12-C16 Aliphatics C12-C16 Aromatics		μg/kg	NA NA	NA NA	NA NA
		μg/kg	NA NA	NA NA	NA NA
C16-C21 Aliphatics C16-C21 Aromatics		μg/kg	NA NA		
C21-C34 Aliphatics		μg/kg μg/kg	NA NA	NA NA	NA NA
C21-C34 Aniphatics C21-C34 Aromatics		μg/kg μg/kg	NA NA	NA NA	NA NA
	1				
Sum of Petroleum Hydrocarbons ²	10,000,000	μg/kg	NA	NA	NA
TPH ERO	3,100	mg/kg	NA	NA	NA
TPH-GRO	3,100	mg/kg	NA	NA	NA

		Location ID	XRF-01	XRF-13	XRF-13	XRF-34
						FR-XRF34-101112
		Sampling Date	10/11/2012	10/11/2012	10/11/2012	10/11/2012
		Depth Interval	10/11/2012	10/11/2012	10/11/2012	10/11/2012
		(ft bgs)	0-0.5	0-0.5	0-0.5	0-0.5
Chemical Name	Level¹	Unit	0 010	* ***		0 0.0
Volatile Organic Compounds	20,02	Cint				
2-Butanone (MEK)	28,000,000	μg/kg	NA	NA	NA	NA
Acetone	85,000,000	μg/kg μg/kg	NA	NA NA	NA NA	NA NA
Benzene	15,000	μg/kg μg/kg	NA	NA	NA	NA NA
Carbon Disulfide	740,000	μg/kg	NA	NA	NA	NA
Cis-1,2-Dichloroethene	220,000	μg/kg	NA	NA	NA	NA
Ethylbenzene	76,000	μg/kg	NA	NA	NA	NA
Methyl N-Butyl Ketone	290,000	μg/kg	NA	NA	NA	NA
Methylbenzene	820,000	μg/kg	NA	NA	NA	NA
Trichloroethylene	6,200	μg/kg	NA	NA	NA	NA
Xylene (total)	260,000	μg/kg	NA	NA	NA	NA
Semi-Volatile Organic Compounds						
2,4-Dimethylphenol	1,700,000	μg/kg	NA	NA	NA	NA
2-Methylnaphthalene	370,000	μg/kg	NA	NA	NA	NA
Acenaphthene	4,800,000	μg/kg	NA	NA	NA	NA
Acenaphthylene		μg/kg	NA	NA	NA	NA
Anthracene	24,000,000	μg/kg	NA	NA	NA	NA
Benzo(a)Anthracene	2,100	μg/kg	NA	NA	NA NA	NA
Benzo(a)Pyrene	210	μg/kg	NA NA	NA	NA NA	NA
Benzo(b)Fluoranthene	2,100	μg/kg	NA NA	NA NA	NA NA	NA NA
Benzo(g,h,i)Perylene Benzo(k)Fluoranthene	21,000	μg/kg μg/kg	NA NA	NA NA	NA NA	NA NA
Benzyl Butyl Phthalate	3,600,000	μg/kg μg/kg	NA NA	NA NA	NA NA	NA NA
Bis(2-ethylhexyl)Phthalate	490,000	μg/kg μg/kg	NA NA	NA NA	NA NA	NA NA
Carbazole		μg/kg μg/kg	NA	NA	NA	NA NA
Chrysene (1,2-Benzphenanthracene)	210,000	μg/kg	NA	NA	NA	NA
Dibenzo(a,h)Anthracene	210	μg/kg	NA	NA	NA	NA
Dibenzofuran	110,000	μg/kg	NA	NA	NA	NA
Fluoranthene	3,200,000	μg/kg	NA	NA	NA	NA
Fluorene	3,200,000	μg/kg	NA	NA	NA	NA
Indeno(1,2,3-cd)Pyrene	2,100	μg/kg	NA	NA	NA	NA
Naphthalene	50,000	μg/kg	NA	NA	NA	NA
Phenanthrene		μg/kg	NA	NA	NA	NA
Pyrene	2,400,000	μg/kg	NA	NA	NA	NA
Petroleum Hydrocarbons						
C6-C8 Aliphatics		μg/kg	NA	NA	NA	NA
C8-C10 Aliphatics (VPH)		μg/kg	NA	NA	NA NA	NA
C8-C10 Aliphatics (EPH)		μg/kg	NA NA	NA	NA NA	NA
C8-C10 Aromatics (VPH) C8-C10 Aromatics (EPH)		μg/kg	NA NA	NA NA	NA NA	NA NA
C10-C12 Aliphatics (VPH)		μg/kg μg/kg	NA NA	NA NA	NA NA	NA NA
C10-C12 Aliphatics (VPH)		100	3.7.4	37.4	37.4	37.4
C10-C12 Ampliatics (EFT)		μg/kg μg/kg	NA NA	NA NA	NA NA	NA NA
C10-C12 Aromatics (VF1)		μg/kg μg/kg	NA NA	NA NA	NA NA	NA NA
C12-C16 Aliphatics		μg/kg μg/kg	NA	NA	NA	NA NA
C12-C16 Aromatics		μg/kg μg/kg	NA	NA	NA	NA
C16-C21 Aliphatics		μg/kg	NA	NA	NA	NA
C16-C21 Aromatics		μg/kg	NA	NA	NA	NA
C21-C34 Aliphatics		μg/kg	NA	NA	NA	NA
C21-C34 Aromatics		μg/kg	NA	NA	NA	NA
Sum of Petroleum Hydrocarbons ²	10,000,000	μg/kg	NA	NA	NA	NA
TPH ERO	3,100	μg/kg mg/kg	NA	NA NA	NA NA	NA NA
TPH-GRO	3,100	mg/kg	NA	NA	NA	NA

		Location ID	XRF-43	XRF-57	XRF-61	XRF-62
			R-XRF43-101112		FR-XRF61-101112	
		Sampling Date	10/11/2012	10/11/2012	10/11/2012	10/11/2012
		Depth Interval				
		(ft bgs)	0-0.5	0-0.5	0-0.5	0-0.5
Chemical Name	Level	Unit				
Volatile Organic Compounds	<u> </u>					
2-Butanone (MEK)	28,000,000	μg/kg	NA	NA	NA	NA
Acetone	85,000,000	μg/kg	NA	NA	NA	NA
Benzene	15.000	μg/kg	NA	NA	NA	NA
Carbon Disulfide	740,000	ug/kg	NA	NA	NA	NA
Cis-1,2-Dichloroethene	220,000	μg/kg	NA	NA	NA	NA
Ethylbenzene	76,000	μg/kg	NA	NA	NA	NA
Methyl N-Butyl Ketone	290,000	μg/kg	NA	NA	NA	NA
Methylbenzene	820,000	μg/kg	NA	NA	NA	NA
Trichloroethylene	6,200	μg/kg	NA	NA	NA	NA
Xylene (total)	260,000	μg/kg	NA	NA	NA	NA
Semi-Volatile Organic Compounds						
2,4-Dimethylphenol	1,700,000	μg/kg	NA	NA	NA	NA
2-Methylnaphthalene	370,000	μg/kg	NA	NA	NA	NA
Acenaphthene	4,800,000	μg/kg	NA	NA	NA	NA
Acenaphthylene		μg/kg	NA	NA	NA	NA
Anthracene	24,000,000	μg/kg	NA	NA	NA	NA
Benzo(a)Anthracene	2,100	μg/kg	NA	NA	NA	NA
Benzo(a)Pyrene	210	μg/kg	NA	NA	NA	NA
Benzo(b)Fluoranthene	2,100	μg/kg	NA	NA	NA	NA
Benzo(g,h,i)Perylene	21.000	μg/kg	NA	NA NA	NA	NA
Benzo(k)Fluoranthene	,	μg/kg	NA	NA NA	NA	NA
Benzyl Butyl Phthalate	3,600,000	μg/kg	NA NA	NA NA	NA	NA NA
Bis(2-ethylhexyl)Phthalate	490,000	μg/kg	NA NA	NA NA	NA NA	NA NA
Carbazole	210.000	μg/kg	NA NA	NA NA	NA NA	NA NA
Chrysene (1,2-Benzphenanthracene) Dibenzo(a,h)Anthracene	210,000	μg/kg	NA NA	NA NA	NA NA	NA NA
Dibenzofuran	110,000	μg/kg μg/kg	NA NA	NA NA	NA NA	NA NA
Fluoranthene	3,200,000	μg/kg μg/kg	NA NA	NA NA	NA NA	NA NA
Fluorene	3,200,000	μg/kg μg/kg	NA NA	NA NA	NA NA	NA NA
Indeno(1,2,3-cd)Pyrene	2,100	μg/kg μg/kg	NA	NA	NA	NA NA
Naphthalene	50,000	μg/kg	NA	NA	NA	NA
Phenanthrene		μg/kg	NA	NA	NA	NA
Pyrene	2,400,000	μg/kg	NA	NA	NA	NA
Petroleum Hydrocarbons	2,.00,000	m8' 118	1111	1111	1,111	1111
C6-C8 Aliphatics		μg/kg	NA	NA	NA	NA
C8-C10 Aliphatics (VPH)		μg/kg	NA	NA	NA	NA
C8-C10 Aliphatics (EPH)		μg/kg	NA	NA	NA	NA
C8-C10 Aromatics (VPH)		μg/kg	NA	NA	NA	NA
C8-C10 Aromatics (EPH)		μg/kg	NA	NA	NA	NA
C10-C12 Aliphatics (VPH)		μg/kg	NA	NA	NA	NA
C10-C12 Aliphatics (EPH)		μg/kg	NA	NA	NA	NA
C10-C12 Aromatics (VPH)		μg/kg	NA	NA	NA	NA
C10-C12 Aromatics (EPH)		μg/kg	NA	NA	NA	NA
C12-C16 Aliphatics		μg/kg	NA	NA	NA	NA
C12-C16 Aromatics		μg/kg	NA	NA	NA	NA
C16-C21 Aliphatics		μg/kg	NA	NA	NA	NA
C16-C21 Aromatics		μg/kg	NA	NA	NA	NA
C21-C34 Aliphatics		μg/kg	NA	NA	NA	NA
C21-C34 Aromatics		μg/kg	NA	NA	NA	NA
Sum of Petroleum Hydrocarbons ²	10,000,000	μg/kg	NA	NA	NA	NA
TPH ERO	3,100	mg/kg	NA	NA	NA	NA
TPH-GRO	3,100	mg/kg	NA	NA	NA	NA

Table 3-1

Soil Sampling Analytical Results - Organic Parameters Frankfort Roundhouse Site Frankfort, Clinton County, Indiana

Notes:

Shaded values indicate concentration exceeds IDEM screening level.

¹ VOCs and SVOCs were compared to IDEM's 2012 Residential Direct Contact Screening Levels. TPH GRO and TPH ERO were compared to IDEM's 2006 (revised June, 2010) Nondefault Residential Direct Contact Closures Levels. Sum of Petroleum Hydrocarbons were compared to IDEM's 2006 (revised June, 2010) maximum allowable TPH concentration in soil for closure using a nondefault closure level.

²Sum of Petroleum Hydrocarbons = Sum of the detected aliphatic and aromatic TPH fractions.

-- = Not available

 $\mu g/kg = Microgram per kilogram$

D = Duplicate

EPH = Extractable petroleum hydrocarbons

ERO - Extended range organics

ft bgs = Feet below ground surface

ID = Identification

IDEM = Indiana Department of Environmental Management

J = Concentration Estimated

mg/kg = Milligram per kilogram

NA = Not analyzed

ND = Not detected

SVOC = Semivolatile organic compound

TPH = Total petroleum hydrocarbon

U = Constituent not detected. Reporting limit is presented

VOC = Volatile organic compound

VPH = Volatile petroleum hydrocarbons

Table 3-2
Soil Sampling Analytical Results - Inorganic Parameters
Frankfort Roundhouse Site
Frankfort, Clinton County, Indiana

	IDEM 2012	Location ID	FR-SB01/FR-MW01	FR-SB01/FR-MW01	FR-SB01/FR-MW01	FR-SB02/FR-MW02	FR-SB02/FR-MW02
	Residential	Field Sample ID	FR-SB01(0-1)-100912	FR-SB01(4.5-6.5)-100912	FR-SB01(8.5-10.5)-100912	FR-SB02(0-1)-101012	FR-SB02(4-6)-101012
	Direct Contact	Sampling Date	10/9/2012	10/9/2012	10/9/2012	10/10/2012	10/10/2012
	Soil Screening	Depth Interval (ft					
Chemical Name	Level	bgs)	0- 1	4.5- 6.5	8.5- 10.5	0-1	4- 6
Aluminum	100,000	mg/kg	8,020	10,800	5,290	4,420	13,300
Antimony	43	mg/kg	2	0.99 U	0.17 B	2.3	0.99 U
Arsenic	5.5	mg/kg	11.5	4.9	7	8. 7	4.9
Barium	21,000	mg/kg	143	132	43.2	130	114
Beryllium	220	mg/kg	1.3	0.9	0.31 B	0.69	0.73
Cadmium	98	mg/kg	0.95	0.46	0.2 B	1.2	0.58
Calcium		mg/kg	7,920	3,150	82,000	46,800	4,220
Chromium	100,000	mg/kg	19.9	13.3	11	11.2	17.4
Cobalt	32	mg/kg	6.3	8	5.5	3.6 B	8.3
Copper	4,300	mg/kg	125	89.2	14	159	17.9
Iron	77,000	mg/kg	56,200	15,700	13,000	25,200	17,100
Lead	400	mg/kg	203	13.8	6.2	181	15.4
Magnesium		mg/kg	3,000	2,090	26,400	18,700	2,910
Manganese	2,500	mg/kg	418	347	328	268	390
Mercury	3.1	mg/kg	0.16	0.039	0.038 U	0.021 B	0.064
Nickel	2,100	mg/kg	21.8	14.3	17.2	14.2	19.6
Potassium		mg/kg	764	970	1,090	721	765
Selenium	550	mg/kg	1.9	0.74 B	0.32 B	1.1	0.16 B
Silver	550	mg/kg	0.44 B	0.16 B	0.5 U	0.2 B	0.16 B
Sodium		mg/kg	176 B	45.1 B	115 B	246 B	43.8 B
Thallium	1.1	mg/kg	0.62 B	0.99 U	0.21 B	0.42 B	0.99 U
Vanadium	550	mg/kg	28.2	22.7	18.2	13.4	29
Zinc	32,000	mg/kg	165	84.2	38.2	251	47.6
pН		SU	NA	NA	NA	NA	NA

Shaded values indicate concentration exceeds IDEM screening level.

-- = Not available

B = Analyte was found in the associated blank

D = Duplicate

ID = Identification

IDEM = Indiana Department of Environmental Management

ft bgs = Feet below ground surface

J = Concentration Estimated

mg/kg = Milligram per kilogram

NA = Not analyzed

SU = Standard Unit

Table 3-2
Soil Sampling Analytical Results - Inorganic Parameters
Frankfort Roundhouse Site
Frankfort, Clinton County, Indiana

	IDEM 2012	Location ID	FR-SB02/FR-MW02	FR-SB03/FR-MW03	FR-SB03/FR-MW03	FR-SB03/FR-MW03	FR-SB04/FR-MW04
	Residential	Field Sample ID	FR-SB02(7-9)-101012	FR-SB03(0-1)-100912	FR-SB03(7-9)-100912	FR-SB03(13-15)-100912	FR-SB04(0-1)-100912
	Direct Contact	Sampling Date	10/10/2012	10/9/2012	10/9/2012	10/9/2012	10/9/2012
	Soil Screening	Depth Interval (ft					
Chemical Name	Level	bgs)	7- 9	0- 1	7- 9	13- 15	0- 1
Aluminum	100,000	mg/kg	6,110	2,090	11,500	4,730	11,200
Antimony	43	mg/kg	1 U	1 U	1 U	0.99 U	0.98 U
Arsenic	5.5	mg/kg	8.1	3.3	18.2	5.5	7.1
Barium	21,000	mg/kg	43.4	10.6	369	46.1	83.1
Beryllium	220	mg/kg	0.38 B	0.13 B	0.68	0.27 B	0.43
Cadmium	98	mg/kg	0.28 B	0.09 B	2.4	0.22 B	0.25 B
Calcium		mg/kg	48,200	66,800	5,190	73,300	35,200
Chromium	100,000	mg/kg	11.2	5.2	18.4	8.8	15.3
Cobalt	32	mg/kg	5.8	2.2 B	31.5	4.4 B	5.9
Copper	4,300	mg/kg	20.2	7.2	18.3	12.4	14.7
Iron	77,000	mg/kg	14,900	6,260	23,700	11,600	17,700
Lead	400	mg/kg	8.9	3.4	18.1	5.4	11.5
Magnesium		mg/kg	17,900	17,500	3,430	21,500	12,500
Manganese	2,500	mg/kg	610	160	5,470	282	295
Mercury	3.1	mg/kg	0.037	0.036 U	0.038	0.033 U	0.04 U
Nickel	2,100	mg/kg	18.3	7.5	62.4	14.5	16.3
Potassium		mg/kg	974	465 B	1,060	1,080	951
Selenium	550	mg/kg	0.17 B	0.28 B	0.75 B	0.23 B	0.38 B
Silver	550	mg/kg	0.09 B	0.5 U	0.09 B	0.49 U	0.49 U
Sodium		mg/kg	82.7 B	94 B	112 B	113 B	85.4 B
Thallium	1.1	mg/kg	0.17 B	0.14 B	0.8 B	0.19 B	0.98 U
Vanadium	550	mg/kg	16.9	8.5	33.1	13.6	26.6
Zinc	32,000	mg/kg	47.9	20.3	75.3	35.6	39.3
pН		SU	NA	NA	NA	NA	NA

Shaded values indicate concentration exceeds IDEM screening level.

-- = Not available

B = Analyte was found in the associated blank

D = Duplicate

ID = Identification

IDEM = Indiana Department of Environmental Management

ft bgs = Feet below ground surface

J = Concentration Estimated

mg/kg = Milligram per kilogram

NA = Not analyzed

SU = Standard Unit

Table 3-2
Soil Sampling Analytical Results - Inorganic Parameters
Frankfort Roundhouse Site
Frankfort, Clinton County, Indiana

	IDEM 2012	Location ID	FR-SB04/FR-MW04	FR-SB04/FR-MW04	FR-SB05/FR-MW05	FR-SB05/FR-MW05	FR-SB05/FR-MW05
	Residential	Field Sample ID	FR-SB04(10.5-12.5)-100912	FR-SB04(13-15)-100912	FR-SB05(0-1)-101012	FR-SB05(2-4)-101012	FR-SB05(5-7)-101012
	Direct Contact	Sampling Date	10/9/2012	10/9/2012	10/10/2012	10/10/2012	10/10/2012
	Soil Screening	Depth Interval (ft					
Chemical Name	Level	bgs)	10.5- 12.5	13- 15	0- 1	2- 4	5- 7
Aluminum	100,000	mg/kg	8,270	4,560	4,700	7,410	14,500
Antimony	43	mg/kg	0.97 U	0.14 B	0.22 B	2	0.99 U
Arsenic	5.5	mg/kg	7.2	4.3	6.9	11.5	7.2
Barium	21,000	mg/kg	117	33.3	40.1	110	68.2
Beryllium	220	mg/kg	0.41	0.26 B	0.31 B	1.8	0.38 B
Cadmium	98	mg/kg	0.36 B	0.21 B	0.26 B	2.7	0.16 B
Calcium		mg/kg	3,870	77,000	57,200	9,400	8,500
Chromium	100,000	mg/kg	13.9	9.1	8.8	13.5	18.7
Cobalt	32	mg/kg	11.8	4.7 B	4.1 B	11	7.3
Copper	4,300	mg/kg	12.3	11.5	25.8	125	16
Iron	77,000	mg/kg	16,700	10,700	11,800	40,900	20,600
Lead	400	mg/kg	7	5.8	28.1	142	13.3
Magnesium		mg/kg	2,700	24,700	20,600	1,730	4,440
Manganese	2,500	mg/kg	1,250	267	298	232	318
Mercury	3.1	mg/kg	0.026 B	0.034 U	0.022 B	0.25	0.018 B
Nickel	2,100	mg/kg	24.6	14.4	13.4	47.4	13.3
Potassium		mg/kg	830	969	816	525	1,050
Selenium	550	mg/kg	0.55 B	0.96 B	0.23 B	1.4	0.68 B
Silver	550	mg/kg	0.18 B	0.5 U	0.19 B	0.36 B	0.16 B
Sodium		mg/kg	62.4 B	107 B	91.3 B	275 B	130 B
Thallium	1.1	mg/kg	0.97 U	0.99 U	0.24 B	1.1	0.99 U
Vanadium	550	mg/kg	18.2	13	12.9	25.4	29.3
Zinc	32,000	mg/kg	44.6	37.3	65.4	608	119
pН		SU	NA	NA	NA	NA	NA

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ID = Identification

IDEM = Indiana Department of Environmental Management

ft bgs = Feet below ground surface

J = Concentration Estimated

mg/kg = Milligram per kilogram

NA = Not analyzed

SU = Standard Unit

	IDEM 2012	Location ID	FR-SB06/FR-MW06	FR-SB06/FR-MW06	FR-SB06/FR-MW06	FR-SB06/FR-MW06	FR-SB07
	Residential	Field Sample ID	FR-SB06(0-1)-100912	FR-SB06(6-8)-100912	FR-SB06(8-10)-100912	FR-SB06(8-10)-100912D	FR-SB07(0-1)-101012
	Direct Contact	Sampling Date	10/9/2012	10/9/2012	10/9/2012	10/9/2012	10/10/2012
	Soil Screening	Depth Interval (ft					
Chemical Name	Level	bgs)	0-1	6-8	8- 10	8- 10	0- 1
Aluminum	100,000	mg/kg	5,590	9,060	4,820	4,470	4,750
Antimony	43	mg/kg	17.6	0.41 B	1 U	1 U	0.98 U
Arsenic	5.5	mg/kg	6.2	9.4	6	6.6	9.9
Barium	21,000	mg/kg	84.2	70.5	33.9	36.8	32.4
Beryllium	220	mg/kg	1	0.65	0.26 B	0.25 B	0.25 B
Cadmium	98	mg/kg	0.71	0.57	0.17 B	0.18 B	0.11 B
Calcium		mg/kg	81,600	3,120	87,600	124,000	73,400
Chromium	100,000	mg/kg	10.2	16.7	9.3	8.1	8.8
Cobalt	32	mg/kg	3.8 B	5.6	4.9 B	4.7 B	4.7 B
Copper	4,300	mg/kg	189	20.6	12.3	12.7	15
Iron	77,000	mg/kg	25,800	22,900	12,600	12,100	12,500
Lead	400	mg/kg	512	19.1	5.1	6	7.6
Magnesium		mg/kg	35,400	2,400	21,500	19,200	22,100
Manganese	2,500	mg/kg	229	129	394	340	230
Mercury	3.1	mg/kg	0.83	0.036	0.033 U	0.014 B	0.017 B
Nickel	2,100	mg/kg	17.5	22	14.6	13.4	15.5
Potassium		mg/kg	618	834	880	882	946
Selenium	550	mg/kg	0.67 B	0.44 B	0.45 B	0.27 B	0.23 B
Silver	550	mg/kg	0.18 B	0.16 B	0.5 U	0.5 U	0.49 U
Sodium		mg/kg	446 B	44.9 B	96.2 B	117 B	113 B
Thallium	1.1	mg/kg	0.35 B	1 U	1 U	1 U	0.33 B
Vanadium	550	mg/kg	15.3	30.7	13.1	13.1	13.1
Zinc	32,000	mg/kg	172	265	34.4	33	38.2
рН		SU	NA	NA	NA	NA	NA

Notes:

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IDEM = Indiana Department of Environmental Management

ft bgs = Feet below ground surface

J = Concentration Estimated

mg/kg = Milligram per kilogram

NA = Not analyzed

SU = Standard Unit

Table 3-2
Soil Sampling Analytical Results - Inorganic Parameters
Frankfort Roundhouse Site
Frankfort, Clinton County, Indiana

	IDEM 2012	Location ID	FR-SB07	FR-SB07	FR-SB08	FR-SB08	FR-SB08
	Residential	Field Sample ID	FR-SB07(6.5-8.5)-101012	FR-SB07(10-12)-101012	FR-SB08(0-1)-101012	FR-SB08(6-8)-101012	FR-SB08(8-10)-101012
	Direct Contact	Sampling Date	10/10/2012	10/10/2012	10/10/2012	10/10/2012	10/10/2012
	Soil Screening	Depth Interval (ft					
Chemical Name	Level	bgs)	6.5- 8.5	10- 12	0- 1	6-8	8- 10
Aluminum	100,000	mg/kg	4,870	7,640	3,750	10,300	4,960
Antimony	43	mg/kg	0.97 U	1 U	25.9	0.99 U	0.97 U
Arsenic	5.5	mg/kg	13.1	11.3	10.4	5	4
Barium	21,000	mg/kg	34.6	77.6	111	126	39.3
Beryllium	220	mg/kg	0.27 B	0.4	0.77	0.46	0.22 B
Cadmium	98	mg/kg	0.14 B	0.12 B	0.85	1	0.048 B
Calcium		mg/kg	67,600	2,690	54,100	3,800	59,200
Chromium	100,000	mg/kg	9.6	14.5	34.3	15.5	8.8
Cobalt	32	mg/kg	5	6.9	5	22.5	3.7 B
Copper	4,300	mg/kg	17.7	17.9	868	17.1	12.5
Iron	77,000	mg/kg	13,400	18,800	29,900	16,900	9,890
Lead	400	mg/kg	8.7	10.6	700	14.2	6.3
Magnesium		mg/kg	22,600	2,670	27,100	3,360	25,600
Manganese	2,500	mg/kg	247	519	306	1,420	208
Mercury	3.1	mg/kg	0.021 B	0.029 B	0.11	0.032 B	0.016 B
Nickel	2,100	mg/kg	17.2	22.2	22.8	34.3	11.8
Potassium		mg/kg	1,020	904	530	1,200	790
Selenium	550	mg/kg	0.32 B	0.63 B	1.8	0.76 B	0.3 B
Silver	550	mg/kg	0.48 U	0.5 U	0.49 U	0.49 U	0.48 U
Sodium		mg/kg	113 B	57.4 B	190 B	185 B	136 B
Thallium	1.1	mg/kg	0.29 B	1 U	0.49 B	0.99 U	0.97 U
Vanadium	550	mg/kg	13.9	23.9	13.2	21.3	14.2
Zinc	32,000	mg/kg	43.3	51.7	189	86.2	30.8
pН		SU	NA	NA	NA	NA	NA

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D = Duplicate

ID = Identification

IDEM = Indiana Department of Environmental Management

ft bgs = Feet below ground surface

J = Concentration Estimated

mg/kg = Milligram per kilogram

NA = Not analyzed

SU = Standard Unit

Table 3-2
Soil Sampling Analytical Results - Inorganic Parameters
Frankfort Roundhouse Site
Frankfort, Clinton County, Indiana

	IDEM 2012	Location ID	FR-SB09	FR-SB09	FR-SB09	FR-SB10	FR-SB10
	Residential	Field Sample ID	FR-SB09(0-1)-101012	FR-SB09(5.5-7.5)-101012	FR-SB09(9-11)-101012	FR-SB10(0-1)-101012	FR-SB10(5-7)-101012
	Direct Contact	Sampling Date	10/10/2012	10/10/2012	10/10/2012	10/10/2012	10/10/2012
	Soil Screening	Depth Interval (ft					
Chemical Name	Level	bgs)	0- 1	5.5- 7.5	9- 11	0- 1	5- 7
Aluminum	100,000	mg/kg	12,200	10,300	6,630	5,580	10,200
Antimony	43	mg/kg	0.14 B	0.22 B	0.97 U	0.98 U	0.27 B
Arsenic	5.5	mg/kg	3.2	8.7	9.1	4.5	11.6
Barium	21,000	mg/kg	127	117	38.2	58	99.3
Beryllium	220	mg/kg	0.82	0.55	0.29 B	0.29 B	0.56
Cadmium	98	mg/kg	0.34 B	0.18 B	0.21 B	0.19 B	0.31 B
Calcium		mg/kg	9,970	5,780	73,700	71,300	26,000
Chromium	100,000	mg/kg	15.5	15.8	11.6	10.1	14.8
Cobalt	32	mg/kg	4.3 B	4.5 B	5.4	3.8 B	7.9
Copper	4,300	mg/kg	65.5	47.7	16.1	68.6	30.9
Iron	77,000	mg/kg	15,600	21,700	13,600	12,500	23,900
Lead	400	mg/kg	48.5	47.8	8.3	20.1	28.5
Magnesium		mg/kg	3,680	3,460	30,500	21,800	16,300
Manganese	2,500	mg/kg	154	211	356	279	334
Mercury	3.1	mg/kg	0.066	0.041	0.034 B	0.016 B	0.033 B
Nickel	2,100	mg/kg	17.6	17.4	17.8	12.2	23.2
Potassium		mg/kg	815	1,090	1,390	1,110	1,060
Selenium	550	mg/kg	0.86 B	0.55 B	0.52 B	0.36 B	0.56 B
Silver	550	mg/kg	0.5 U	0.5 U	0.48 U	0.49 U	0.49 U
Sodium		mg/kg	62.7 B	89.4 B	134 B	151 B	87 B
Thallium	1.1	mg/kg	1 U	1 U	0.26 B	0.28 B	0.99 U
Vanadium	550	mg/kg	24.9	22.8	18.1	14	26.6
Zinc	32,000	mg/kg	63.9	75.9	46.4	45.8	76.5
рН		SU	NA	NA	NA	NA	NA

Shaded values indicate concentration exceeds IDEM screening level.

-- = Not available

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D = Duplicate

ID = Identification

IDEM = Indiana Department of Environmental Management

ft bgs = Feet below ground surface

J = Concentration Estimated

mg/kg = Milligram per kilogram

NA = Not analyzed

SU = Standard Unit

Table 3-2
Soil Sampling Analytical Results - Inorganic Parameters
Frankfort Roundhouse Site
Frankfort, Clinton County, Indiana

	IDEM 2012	Location ID	FR-SB10	FR-SB11	FR-SB12	FR-SB12	FR-SB12
	Residential	Field Sample ID	FR-SB10(9-11)-101012	FR-SB11(0-0.5)-100912	FR-SB12(0-1)-101012	FR-SB12(5-7)-101012	FR-SB12(5-7)101012D
	Direct Contact	Sampling Date	10/10/2012	10/9/2012	10/10/2012	10/10/2012	10/10/2012
	Soil Screening	Depth Interval (ft					
Chemical Name	Level	bgs)	9- 11	0- 0.5	0- 1	5- 7	5- 7
Aluminum	100,000	mg/kg	8,450	2,150	7,010	9,940	8,670
Antimony	43	mg/kg	1 U	19.6	56.5	1 U	0.98 U
Arsenic	5.5	mg/kg	9.1	19.9	17.4	5.9	7.2
Barium	21,000	mg/kg	143	678	310	124	96.5
Beryllium	220	mg/kg	0.41	0.25 B	1.2	0.43	0.32 B
Cadmium	98	mg/kg	0.29 B	13.1	5.6	0.15 B	0.029 B
Calcium		mg/kg	59,000	55,400	41,200	2,890	2,330
Chromium	100,000	mg/kg	13.9	46.4	12.8	15.5	14.2
Cobalt	32	mg/kg	9.5	10.4	4.4 B	5.3	4.6 B
Copper	4,300	mg/kg	17.8	1,280	352	25.3	19.9
Iron	77,000	mg/kg	16,100	75,700	27,500	17,500	16,500
Lead	400	mg/kg	10	14,800	1,300	8.7	9
Magnesium		mg/kg	25,400	6,400	12,500	3,030	2,470
Manganese	2,500	mg/kg	760	384	270	123	119
Mercury	3.1	mg/kg	0.025 B	0.21	0.02 B	0.036	0.023 B
Nickel	2,100	mg/kg	21.4	47.8	20.4	15.9	14.8
Potassium		mg/kg	1,300	625	730	1,190	1,040
Selenium	550	mg/kg	0.74 B	1 U	2.3	0.57 B	0.53 B
Silver	550	mg/kg	0.5 U	0.92	0.2 B	0.51 U	0.49 U
Sodium		mg/kg	131 B	219 B	395 B	51.1 B	47.6 B
Thallium	1.1	mg/kg	0.18 B	1 U	1.6	1 U	0.98 U
Vanadium	550	mg/kg	21.3	11.8	20.2	19.7	22.4
Zinc	32,000	mg/kg	52.3	3,350	1,260	56.8	42.8
рН		SU	NA	NA	NA	NA	NA

Shaded values indicate concentration exceeds IDEM screening level.

-- = Not available

B = Analyte was found in the associated blank

D = Duplicate

ID = Identification

IDEM = Indiana Department of Environmental Management

ft bgs = Feet below ground surface

J = Concentration Estimated

mg/kg = Milligram per kilogram

NA = Not analyzed

SU = Standard Unit

Table 3-2
Soil Sampling Analytical Results - Inorganic Parameters
Frankfort Roundhouse Site
Frankfort, Clinton County, Indiana

	IDEM 2012	Location ID	FR-SB12	FR-SB13	FR-SB13	FR-SB13	FR-SB14
	Residential	Field Sample ID	FR-SB12(10-12)-101012	FR-SB13(0-1)-101012	FR-SB13(5-7)-101012	FR-SB13(9-11)-101012	FR-SB14(0-1)-101012
	Direct Contact	Sampling Date	10/10/2012	10/10/2012	10/10/2012	10/10/2012	10/10/2012
	Soil Screening	Depth Interval (ft					
Chemical Name	Level	bgs)	10- 12	0- 1	5- 7	9- 11	0- 1
Aluminum	100,000	mg/kg	4,370	4,100	4,610	3,750	5,970
Antimony	43	mg/kg	1 U	6.1	2.5	1 U	28.7
Arsenic	5.5	mg/kg	7.6	12.2	9.2	4.2	9.1
Barium	21,000	mg/kg	31.3	664	326	102	118
Beryllium	220	mg/kg	0.23 B	0.63	0.9	0.12 B	0.92
Cadmium	98	mg/kg	0.08 B	3.8	0.34 B	0.4 U	1.2
Calcium		mg/kg	119,000	28,800	10,900	105,000	23,000
Chromium	100,000	mg/kg	8.6	101	21.9	6.7	19
Cobalt	32	mg/kg	4 B	6.7	7.8	3.8 B	6
Copper	4,300	mg/kg	13.4	594	116	17.6	234
Iron	77,000	mg/kg	11,600	42,700	43,700	10,600	46,500
Lead	400	mg/kg	7.1	437	131	12.6	882
Magnesium		mg/kg	20,100	14,700	1,210	24,200	10,200
Manganese	2,500	mg/kg	406	474	423	258	367
Mercury	3.1	mg/kg	0.018 B	8.3	0.11	0.02 B	0.065
Nickel	2,100	mg/kg	14.5	181	28.9	10.5	24.2
Potassium		mg/kg	1,070	547	267 B	392 B	531
Selenium	550	mg/kg	0.23 B	1.3	1.4	0.28 B	1.7
Silver	550	mg/kg	0.5 U	0.42 B	0.22 B	0.5 U	0.5 U
Sodium		mg/kg	130 B	202 B	92.1 B	138 B	319 B
Thallium	1.1	mg/kg	0.28 B	0.21 B	0.98 U	1 U	0.25 B
Vanadium	550	mg/kg	14.2	15.5	13.1	8.9	20.2
Zinc	32,000	mg/kg	33.8	722	180	35.3	262
рН		SU	NA	NA	NA	NA	NA

Shaded values indicate concentration exceeds IDEM screening level.

-- = Not available

B = Analyte was found in the associated blank

D = Duplicate

ID = Identification

IDEM = Indiana Department of Environmental Management

ft bgs = Feet below ground surface

J = Concentration Estimated

mg/kg = Milligram per kilogram

NA = Not analyzed

SU = Standard Unit

Table 3-2
Soil Sampling Analytical Results - Inorganic Parameters
Frankfort Roundhouse Site
Frankfort, Clinton County, Indiana

	IDEM 2012	Location ID	FR-SB14	FR-SB14	FR-XRF-01	FR-XRF-13	FR-XRF-13
	Residential	Field Sample ID	FR-SB14(7-9)-101012	FR-SB14(10-12)-101012	FR-XRF01-101112	FR-XRF13-101112	FR-XRF13-101112D
	Direct Contact	Sampling Date	10/10/2012	10/10/2012	10/11/2012	10/11/2012	10/11/2012
	Soil Screening	Depth Interval (ft					
Chemical Name	Level	bgs)	7- 9	10- 12	0-0.5	0-0.5	0-0.5
Aluminum	100,000	mg/kg	11,600	4,650	3,290	795	4,260
Antimony	43	mg/kg	1 U	0.99 U	25.8	31.1	32.1
Arsenic	5.5	mg/kg	25.2	5.2	27.3	2.5	18.5
Barium	21,000	mg/kg	85.4	28.9	169	18.4	206
Beryllium	220	mg/kg	0.66	0.22 B	0.59	0.17 B	0.96
Cadmium	98	mg/kg	0.26 B	0.11 B	1.4	0.11 B	2.5
Calcium		mg/kg	3,990	77,600	21,600	1,770	17,100
Chromium	100,000	mg/kg	18.6	8.6	55.1	3.8	36.4
Cobalt	32	mg/kg	11.3	4.9 B	16.4	1.3 B	11.7
Copper	4,300	mg/kg	32.4	12.7	347	63.7	387
Iron	77,000	mg/kg	30,900	10,700	158,000	11,300	60,800
Lead	400	mg/kg	16.2	6.1	1,650	840	2,290
Magnesium		mg/kg	4,110	25,900	11,400	570	8,150
Manganese	2,500	mg/kg	309	318	971	44.5	484
Mercury	3.1	mg/kg	0.03 B	0.019 B	0.19	0.16	0.19
Nickel	2,100	mg/kg	32	15.6	58.2	5	41.9
Potassium		mg/kg	1,220	1,060	582	97.6 B	589
Selenium	550	mg/kg	0.63 B	0.36 B	2 U	0.47 B	1.3
Silver	550	mg/kg	0.5 U	0.5 U	0.99 U	0.5 U	0.13 B
Sodium		mg/kg	54.1 B	118 B	126 B	29.3 B	221 B
Thallium	1.1	mg/kg	1 U	0.23 B	0.35 B	1 U	0.2 B
Vanadium	550	mg/kg	31.3	13.6	15.3	3.3	18
Zinc	32,000	mg/kg	82.5	35.6	540	41.3	506
рН		SU	NA	NA	8	8	8

Shaded values indicate concentration exceeds IDEM screening level.

-- = Not available

B = Analyte was found in the associated blank

D = Duplicate

ID = Identification

IDEM = Indiana Department of Environmental Management

ft bgs = Feet below ground surface

J = Concentration Estimated

mg/kg = Milligram per kilogram

NA = Not analyzed

SU = Standard Unit

Table 3-2
Soil Sampling Analytical Results - Inorganic Parameters
Frankfort Roundhouse Site
Frankfort, Clinton County, Indiana

	IDEM 2012	Location ID	FR-XRF-34	FR-XRF-43	FR-XRF-57	FR-XRF-61	FR-XRF-62
	Residential	Field Sample ID	FR-XRF34-101112	FR-XRF43-101112	FR-XRF57-101112	FR-XRF61-101112	FR-XRF62-101112
	Direct Contact	Sampling Date	10/11/2012	10/11/2012	10/11/2012	10/11/2012	10/11/2012
	Soil Screening	Depth Interval (ft					
Chemical Name	Level	bgs)	0-0.5	0-0.5	0-0.5	0-0.5	0-0.5
Aluminum	100,000	mg/kg	1,560	3,220	4,830	3,780	3,070
Antimony	43	mg/kg	7.6	5.6	0.98 U	1.7	15.9
Arsenic	5.5	mg/kg	20.1	14.3	5.7	5.2	986
Barium	21,000	mg/kg	256	148	32.4	41.1	59.6
Beryllium	220	mg/kg	0.27 B	0.48	0.2 B	0.19 B	0.46
Cadmium	98	mg/kg	0.24 B	1.4	0.089 B	0.6	1.6
Calcium		mg/kg	1,430	93,500	58,500	90,700	5,200
Chromium	100,000	mg/kg	10.6	19.3	8.3	18.1	10.4
Cobalt	32	mg/kg	4.7 B	5.2	3.6 B	2.9 B	4.9 B
Copper	4,300	mg/kg	131	669	15.2	2,220	370
Iron	77,000	mg/kg	29,200	30,200	10,800	9,540	21,500
Lead	400	mg/kg	163	308	8.5	223	101
Magnesium		mg/kg	466 B	54,000	15,900	30,900	1,440
Manganese	2,500	mg/kg	75.7	291	292	329	85.3
Mercury	3.1	mg/kg	0.85	0.3	0.035 U	0.023 B	0.097
Nickel	2,100	mg/kg	11.1	22.5	10.7	32.5	14.4
Potassium		mg/kg	180 B	574	683	627	441 B
Selenium	550	mg/kg	10.3	1.1	0.18 B	0.22 B	2.2
Silver	550	mg/kg	0.5 U	0.12 B	0.49 U	0.79	0.51 U
Sodium		mg/kg	42.1 B	174 B	90.4 B	159 B	108 B
Thallium	1.1	mg/kg	0.24 B	0.78 B	0.98 U	0.23 B	2.1
Vanadium	550	mg/kg	59.8	11.2	13.9	11.3	12.5
Zinc	32,000	mg/kg	69.2	309	32.1	620	183
рН		SU	8	8	8	11	8

Shaded values indicate concentration exceeds IDEM screening level.

-- = Not available

B = Analyte was found in the associated blank

D = Duplicate

ID = Identification

IDEM = Indiana Department of Environmental Management

ft bgs = Feet below ground surface

J = Concentration Estimated

mg/kg = Milligram per kilogram

NA = Not analyzed

SU = Standard Unit

Table 3-3 Soil Sampling X-ray Fluorescence Results Frankfort Roundhouse Site Frankfort, Clinton County, Indiana

	Sampling Depth		Arsenic		Lead
	(feet below	Arsenic (XRF)	(Laboratory)	Lead (XRF)	(Laboratory)
Location ID	ground surface)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
FR-XRF-01	0-0.5	ND	27.3	2,126	1,650
FR-XRF-02	0-0.5	ND	NA	881	NA
FR-XRF-03	0-0.5	47	NA	797	NA
FR-XRF-04	0-0.5	ND	NA	160	NA
FR-XRF-05	0-0.5	15	NA	41	NA
FR-XRF-06	0-0.5	11	NA	49	NA
FR-XRF-07	0-0.5	ND	NA	47	NA
FR-XRF-08	0-0.5	ND	NA	461	NA
FR-XRF-09	0-0.5	30	NA	419	NA
FR-XRF-10	0-0.5	23	NA	340	NA
FR-XRF-11	0-0.5	103	NA	1,797	NA
FR-XRF-12	0-0.5	ND	NA	1,119	NA
FR-XRF-13			2.5		840
FR-XRF-13D	0-0.5	290	18.5	4,709	2,290
FR-XRF-14	0-0.5	ND	NA	942	NA
FR-XRF-15	0-0.5	ND	NA	507	NA
FR-XRF-16	0-0.5	18	NA	145	NA
FR-XRF-17	0-0.5	ND	NA	192	NA
FR-XRF-18	0-0.5	21	NA	106	NA
FR-XRF-19	0-0.5	ND	NA		NA
FR-XRF-20	0-0.5	ND	NA	417	NA
FR-XRF-21	0-0.5	30	NA	346	NA
FR-XRF-22	0-0.5	ND	NA	977	NA
FR-XRF-23	0-0.5	ND	NA	89	NA
FR-XRF-24	0-0.5	ND	NA	82	NA
FR-XRF-26	0-0.5	25	NA	93	NA
FR-XRF-27	0-0.5	ND	NA	84	NA
FR-XRF-28	0-0.5	29	NA	114	NA
FR-XRF-29	0-0.5	ND	NA	85	NA
FR-XRF-31	0-0.5	60	NA	660	NA
FR-XRF-32	0-0.5	ND	NA	608	NA
FR-XRF-33	0-0.5	59	NA	570	NA
FR-XRF-34	0-0.5	61	20.1	781	163
FR-XRF-35	0-0.5	25	NA	352	NA
FR-XRF-36	0-0.5	ND	NA	713	NA
FR-XRF-38	0-0.5	ND	NA	177	NA
FR-XRF-39	0-0.5	ND	NA	167	NA
FR-XRF-42	0-0.5	ND	NA	287	NA
FR-XRF-43	0-0.5	41	14.3	408	308
FR-XRF-44	0-0.5	21	NA	220	NA
FR-XRF-45	0-0.5	ND	NA	39	NA
FR-XRF-46	0-0.5	ND	NA	205	NA
FR-XRF-49	0-0.5	51	NA	500	NA
FR-XRF-50	0-0.5	51	NA	227	NA
FR-XRF-51	0-0.5	260	NA	233	NA
FR-XRF-52	0-0.5	ND	NA	115	NA
FR-XRF-53	0-0.5	ND	NA	171	NA
FR-XRF-54	0-0.5	29	NA	403	NA
FR-XRF-55	0-0.5	ND	NA	96	NA
	0 0.5	112	1 1/ 1	70	1 17 1

Table 3-3 Soil Sampling X-ray Fluorescence Results Frankfort Roundhouse Site Frankfort, Clinton County, Indiana

	Sampling Depth		Arsenic		Lead
	(feet below	Arsenic (XRF)	(Laboratory)	Lead (XRF)	(Laboratory)
Location ID	ground surface)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
FR-XRF-56	0-0.5	ND	NA	261	NA
FR-XRF-57	0-0.5	ND	5.7	10	8.5
FR-XRF-58	0-0.5	ND	NA	13	NA
FR-XRF-59	0-0.5	ND	NA	ND	NA
FR-XRF-60	0-0.5	ND	NA	181	NA
FR-XRF-61	0-0.5	21	5.2	161	223
FR-XRF-62	0-0.5	542	986	228	101
FR-XRF-63	0-0.5	12	NA	40	NA
FR-XRF-64	0-0.5	ND	NA	20	NA
FR-XRF-65	0-0.5	ND	NA	321	NA
FR-XRF-66	0-0.5	ND	NA	139	NA
FR-XRF-67	0-0.5	ND	NA	103	NA
FR-SB01/FR-MW01	0-1	15	11.5	51	203
FR-SB02/FR-MW02	4-6	10	4.9	16	15.4
FR-SB02/FR-MW02	7-9	7	8.1	ND	8.9
FR-SB03/FR-MW03	0-1	10	3.3	12	3.4
FR-SB03/FR-MW03	13-15	ND	5.5	14	5.4
FR-SB04/FR-MW04	0-1	ND	7.1	10	11.5
FR-SB05/FR-MW05	0-1	ND	6.9	16	28.1
FR-SB06/FR-MW06	0-1	364	6.2	1,721	512
FR-SB06/FR-MW06	6-8	ND	9.4	16	19.1
FR-SB07	0-1	14	9.9	39	7.6
FR-SB07	6.5-8.5	9	13.1	8	8.7
FR-SB08	6-8	ND	5	15	14.2
FR-SB09	0-1	27	3.2	241	48.5
FR-SB09	5.5-7.5	13	8.7	22	47.8
FR-SB10	0-1	10	4.5	12	20.1
FR-SB10	5-7	ND	11.6	10	28.5
FR-SB12	10-12	ND	7.6	10	7.1
FR-SB13	0-1	48	12.2	852	437
FR-SB13	5-7	ND	9.2	225	131
FR-SB14	7-9	18	25.2	13	16.2
FR-SB14	10-12	ND	5.2	15	6.1
	IDEM 2012 Residential Direct Contact Soil				
Screening Level		5.	.5	40	00

Notes:

Shaded values indicate concentration exceeds IDEM screening level.

IDEM = Indiana Department of Environmental Management

mg/kg = Milligram per kilogram

NA = Not analyzed

ND = Not detected

XRF- = X-ray Fluorescence

Table 3-4 Groundwater Analytical Results Frankfort Roundhouse Site Frankfort, Clinton County, Indiana

	IDEM 2012	Field Sample ID	FR-MW01-101212	FR-MW01-101212D	FR-MW02-101212	FR-MW03-101212
	Residential	Sampling Date	10/12/2012	10/12/2012	10/12/2012	10/12/2012
	Tapwater	Screen Depth (ft				
Chemical Name	Screening Level	bgs)	14- 24	14- 24	9- 19	7- 17
VOCs	Berteining Lever	·- g/[11.21	1. 2.	, 1,	, 1,
Benzene	5	μg/L	0.5 U	0.5 U	0.5 U	0.5 U
Cis-1.2-Dichloroethene	70	μg/L	1 U	1 U	1 U	1 U
2-Methylnaphthalene	27	μg/L	1.3 J	1.4 J	2.2 U	2 U
SVOCs		F-8-				
Acenaphthene	400	μg/L	2.5	2.7	2.2 U	2 U
Acenaphthylene		μg/L	0.43 J	2.2 U	2.2 U	2 U
Anthracene	1,300	μg/L	2.3 U	2.2 U	2.2 U	2 U
Bis(2-Ethylhexyl)Phthalate	6	μg/L	6.9	2.2 U	0.94 J	2 U
Dibenzofuran	5.8	μg/L	2.3 U	0.58 J	2.2 U	2 U
Diethyl Phthalate	11,000	μg/L	5.8 U	5.6 U	5.4 U	5 U
Di-N-Butyl Phthalate	670	μg/L	0.68 J	0.79 J	5.4 U	5 U
Fluorene	220	μg/L	2.2 J	2.2	2.2 U	2 U
Phenanthrene		μg/L	0.64 J	0.69 J	2.2 U	2 U
PCBs	•					•
Aroclor 1242	0.34	μg/L	0.29 U	0.18 J	0.18 J	0.17 J
Metals						
Aluminum	16,000	μg/L	56.3 B	57.6 B	320	517
Antimony	6	μg/L	6 U	6 U	1.7 B	6 U
Arsenic	10	μg/L	11.9	12.5	12.5	4.8
Barium	2,000	μg/L	254	255	73.4	149
Cadmium		μg/L	0.3 B	0.3 B	0.4 B	0.3 B
Calcium		μg/L	97,700	97,700	112,000	76,600
Chromium	100	μg/L	1.1 B	10 U	1 B	1.6 B
Cobalt	4.7	μg/L	50 U	50 U	1.7 B	0.4 B
Copper	1,300	μg/L	25 U	25 U	25 U	25 U
Iron	11,000	μg/L	11,700	11,700	3,890	1,520
Magnesium		μg/L	26,900	27,200	18,600	23,000
Manganese	320	μg/L	1,490	1,480	2,120	122
Nickel	300	μg/L	0.7 B	1 B	3.3 B	1.8 B
Potassium		μg/L	3,800 B	3,820 B	2,570 B	3,270 B
Selenium	50	μg/L	10 U	10 U	10 U	10 U
Sodium	-	μg/L	6,500	6,540	5,360	56,700
Zinc	4,700	μg/L	14.6 B	17.4 B	18.6 B	19.2 B

Table 3-4 Groundwater Analytical Results Frankfort Roundhouse Site Frankfort, Clinton County, Indiana

	IDEM 2012	Field Sample ID	FR-MW04	-101112 FR-MW	05-101112	FR-MW	06-101112
	Residential	Sampling Date	10/11/2	2012 10/1	1/2012	10/11	1/2012
	Tapwater	Screen Depth (ft					
Chemical Name	Screening Level	bgs)	8- 1	8 6	- 16	10	- 20
VOCs	Bereening Lever	~80)	0 1	0 0	10	10	
Benzene	5	μg/L	0.5	J 4.2		0.5	U
Cis-1,2-Dichloroethene	70	μg/L	3.5	1	U	1	U
2-Methylnaphthalene	27	μg/L	6.2	2.1	U	2.3	U
SVOCs	27	MB/L	0.2	2.1		2.3	
Acenaphthene	400	μg/L	1.5 J	2.1	U	2.3	U
Acenaphthylene		μg/L		U 2.1	Ü	2.3	U
Anthracene	1,300	μg/L	0.23 J	2.1	U	2.3	U
Bis(2-Ethylhexyl)Phthalate	6	μg/L	0.81 J		U	2.3	U
Dibenzofuran	5.8	μg/L	1 J	2.1	U	2.3	U
Diethyl Phthalate	11,000	μg/L	0.62 J	5.2	U	0.83	J
Di-N-Butyl Phthalate	670	μg/L	5 I	J 5.2	U	5.7	U
Fluorene	220	μg/L	1.8 J	2.1	U	2.3	U
Phenanthrene		μg/L	2	2.1	U	2.3	U
PCBs	•			•			
Aroclor 1242	0.34	μg/L	0.13 J	0.12	J	0.11	J
Metals							
Aluminum	16,000	μg/L	140 I	B 508		230	
Antimony	6	μg/L	6 I	Ú 6	U	6	U
Arsenic	10	μg/L		J 4	U	4	U
Barium	2,000	μg/L	177	110		60.4	
Cadmium		μg/L		U 0.4	В	0.3	В
Calcium		μg/L	98,200	151,000		134,000	
Chromium	100	μg/L		B 1.5	В	1	В
Cobalt	4.7	μg/L		3 0.9	В	50	U
Copper	1,300	μg/L		U 2.6	В	25	U
Iron	11,000	μg/L	265	809		459	
Magnesium		μg/L	38,600	32,900		25,600	
Manganese	320	μg/L	409	369		250	
Nickel	300	μg/L		B 5.8	В	1.5	В
Potassium		μg/L	_,	B 5,330		2,140	В
Selenium	50	μg/L		U 8	В	10	U
Sodium	-	μg/L	20,800	50,500		6,870	
Zinc	4,700	μg/L	14.6 I	B 157		16.4	В

Table 3-4 Groundwater Analytical Results Frankfort Roundhouse Site Frankfort, Clinton County, Indiana

Notes:

Shaded values indicate concentration exceeds IDEM screening level.

-- = Not available

 $\mu g/L = Microgram per liter$

B = Analyte was found in the associated blank

D = Duplicate

ID = Identification

IDEM = Indiana Department of Environmental Management

ft bgs = Feet below ground surface

J = Concentration Estimated

PCB = Polychlorinated biphenyl

SVOC = Semivolatile organic compound

U = Constituent not detected. Reporting limit is presented

VOC = Volatile organic compound

Table 3-5
Asbestos Analytical Sampling Results
Frankfort Roundhouse Site
Frankfort, Clinton County, Indiana

Building	Material Sampled	Appearance	Location	Sampling Location	Quantity Estimate	Sample Identification	Asbestos Components
	9x9 Inch black.	Black, maroon,		Office no. 1		FR-ACM01-101112-A	Chrysotile 1-5%
	maroon, and gray	and gray with	Includes office nos. 1,	Office no. 2	~800 SF	FR-ACM01-101112-B	NA
	floor tile	white speckles	2, and 3	Office no. 3	~600 51	FR-ACM01-101112-C	NA
	Hoor the	winte speckies		Office no. 1		FR-ACM01-101112-D	NA
				Office no. 1		FR-ACM01-101112-AM	ND
	Mastic below 9x9	Black	includes office nos. 1,	Office no. 2		FR-ACM01-101112-BM	ND
	inch black, maroon, and gray floor tile			Office no. 3	~800 SF	FR-ACM01-101112-CM	ND
				Office no. 1		FR-ACM01-101112-DM	ND
		Pink with white	Includes office nos. 1,	Office no. 1		FR-ACM01-101112-E	ND
	9x9 Pink floor tile	speckles - May be replacement tiles	2, and 3	Office no. 2	~20 SF	FR-ACM01-101112-F	ND
		White with black		Southwest window		FR-ACM02-101112-A	ND
	Window caulk	surface	8 Exterior windows	East window	96 LF	FR-ACM02-101112-B	ND
		Surface		Southeast window		FR-ACM02-101112-C	ND
0.00	2x4 Foot white	White	Office nos. 1 and 2	Office no. 1	~530 SF	FR-ACM03-101112-A	ND
Office Yard	ceiling tile	Willie		Office No. 2	~550 51	FR-ACM03-101112-B	ND
	2x2 Foot white			Office No. 3		FR-ACM04-101112-A	ND
	ceiling tile	White	Office no. 3	Office No. 3	~270 SF	FR-ACM04-101112-B	ND
				Office No. 3		FR-ACM04-101112-C	ND
	Paper board	Corrugated	Includes interior of	East entrance		FR-ACM05-101112-A	ND
	insulation in fire	cardboard	two confirmed doors	Men's restroom toilet door	~300 SF	FR-ACM05-101112-B	ND
	doors	appearance	and 10 unconfirmed	East entrance		FR-ACM05-101112-C	ND
			Includes office no. 2,	Office no. 2		FR-ACM06-101112-A	ND
	Vinyl base toe board (base board)	Brown or black	locker room, open area, men's room, and	Locker room	~150 LF	FR-ACM06-101112-B	ND
			storage room no. 2	Open area		FR-ACM06-101112-C	ND
			Includes office no. 2,	Office no. 2		FR-ACM06-101112-AM	ND
	Mastic behind vinyl base toe (base board)	Top gluo	locker room, open area, men's room, and	Locker room	~150 LF	FR-ACM06-101112-BM	ND
			storage room no. 2	Open area		FR-ACM06-101112-CM	ND

Table 3-5
Asbestos Analytical Sampling Results
Frankfort Roundhouse Site
Frankfort, Clinton County, Indiana

Building	Material Sampled	Appearance	Location	Sampling Location	Quantity Estimate	Sample Identification	Asbestos Components
			Within interior wall	Office no. 2/no. 3 interior wall		FR-ACM07-101112-A	ND
	Dry wall	White chalky material	between office nos. 2 and 3	Office no. 2/no. 3 interior wall	~136 SF	FR-ACM07-101112-B	ND
			and 5	Office no. 2/no. 3 interior wall		FR-ACM07-101112-C	ND
	Roof shingles (interior roofing		Utility room and potential for closet	Utility room	Between 36 and	FR-ACM08-101112-A	1-5% Chrysotile
Office Yard	shingles above drop ceiling)	paper cover	and women's bathroom		150 SF	FR-ACM08-101112-B	NA
(Continued)	Ceiling insulation Tannish brown with brown paper cover Utility room and potential for closet and women's bathroom		Utility room	Between 36 and 150 SF	FR-ACM09-101112-A	ND	
	Particle board White with brow		Exterior wall of north	North entrance	~60 SF	FR-ACM10-101112-A	ND
	Tartiele board	Winte with blown	entrance	North entrance		FR-ACM10-101112-B	ND
	Particle board Tan Interior wall of office Office no. 1 - east wall ~600 S		~600.54	FR-ACM11-101112-A	ND		
			no. 1	Office no. 1 - south wall		FR-ACM11-101112-B	ND
	A/C caulk	White	Office no. 2	Office no. 2 - A/C unit	1 A/C Unit	FR-ACM27-101112-A	ND
	A sphalt roofing		Roof	~1,900 SF	FR-ACM23-101112-A	ND	
Outbuilding No. 1	No ACM Identified						
	Transite	Green corrugated debris	Debris pile in large room	Debris pile in large room	3 LF x 6 in (one piece)	FR-ACM12-101112-A	ND
Outbuilding No. 2	Ceiling insulation	Tan fibrous and brown	Ceiling of small room	Ceiling of small room	72 SF - Heavily damaged and in debris	FR-ACM13-101112-A	ND
	Window caulk	White	Exterior window frame	Two south facing windows	24 LF	FR-ACM14-101112-A	ND
	Asphalt roofing	Green and black	Roof	Roof	~420 SF	FR-ACM22-101112-A	ND
	shingles	Green and brack	KUU1	Roof	~420 31	FR-ACM22-101112-B	ND

Table 3-5
Asbestos Analytical Sampling Results
Frankfort Roundhouse Site
Frankfort, Clinton County, Indiana

Building	Material Sampled	Appearance	Location	Sampling Location	Quantity Estimate	Sample Identification	Asbestos Components
Outbuilding	Wall plaster	White concrete-	Surface of brick interior walls in large	North wall	>5,000 SF	FR-ACM20-101112-A	ND
No. 3			room	Southeast wall		FR-ACM20-101112-B	ND
140. 3	Asphalt roofing	Black thin	Debris pile in large	Debris pile in east room	Unknown	FR-ACM21-101112-A	5-10% Chrysotile
	sheeting	sheeting	room	Debris pile in east room	Unknown	FR-ACM21-101112-B	NA
				Debris pile on south side of		FR-ACM15-101112-A	ND
				roundhouse		FR-ACM13-101112-A	ND
	Corrugated particle board	Dark brown	Exterior of south roundhouse Wall	Debris pile on south side of roundhouse	>2,000 SF	FR-ACM15-101112-B	ND
				Debris pile on south side of roundhouse		FR-ACM15-101112-C	ND
				Debris pile on south side of roundhouse		FR-ACM16-101112-A	ND
	Corrugated fibrous board	Light tan	Exterior of south roundhouse Wall	Debris pile on south side of roundhouse	>5,000 SF	FR-ACM16-101112-B	ND
				Debris pile on south side of roundhouse	-	FR-ACM16-101112-C	ND
		- I Black		Debris pile on south side of roundhouse		FR-ACM17-101112-A	5-10% Chrysotile
Roundhouse	Asphalt roofing shingles		Exterior of south roundhouse Wall -	Debris pile on south side of roundhouse	>5,000 SF	FR-ACM17-101112-B	NA
			debris pile	Debris pile on south side of roundhouse		FR-ACM17-101112-C	NA
	Particle board	Particle board Brown Adj		Debris pile on south side of roundhouse	>5,000 SF	FR-ACM18-101112-A	ND
	Pipe insulation	White	Exterior and interior of roundhouse building	Debris piles below exterior roundhouse pipes on south side	~500 LF	FR-ACM19-101112-A	10-15% Chrysotile
				South wall		FR-ACM24-101112-A	ND
	Wall plaster	White	Brick interior walls in	Southeast wall	~1,000 SF	FR-ACM24-101112-B	ND
	r r		roundhouse building	Debris pile	-,::::	FR-ACM24-101112-C	ND

Table 3-5
Asbestos Analytical Sampling Results
Frankfort Roundhouse Site
Frankfort, Clinton County, Indiana

Building	Material Sampled	Appearance	Location	Sampling Location	Quantity Estimate	Sample Identification	Asbestos Components
	Corrugated ceiling	Red and black	Debris pile in round	Debris pile	Undetermined - Could be entire	IED ACM25 101112 A	ND
Roundhouse	panels	from roofing	room	Debris pile	roof area	FR-ACM25-101112-B	ND
(Continued)	Pipe insulation	White	Debris pile in round room	Debris pile	Undetermined - Within debris piles	FR-ACM26-101112-A	10-15% Chrysotile

Notes:

Shaded cells indicate that asbestos was detected

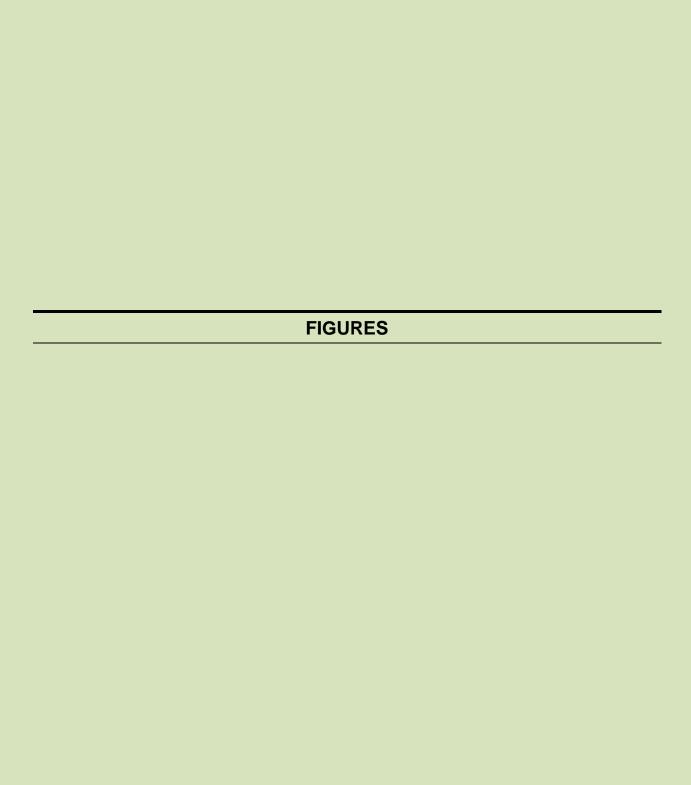
LF = Linear feet

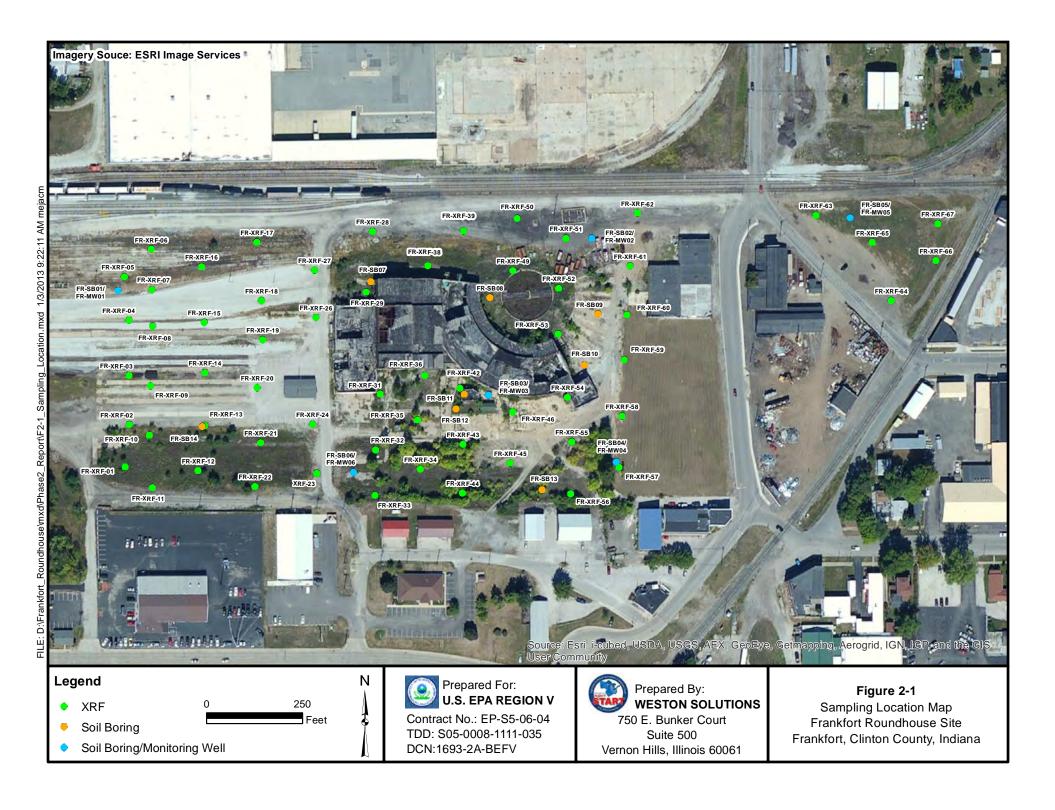
NA = Sample was not analyzed due to detection in preceding material sample

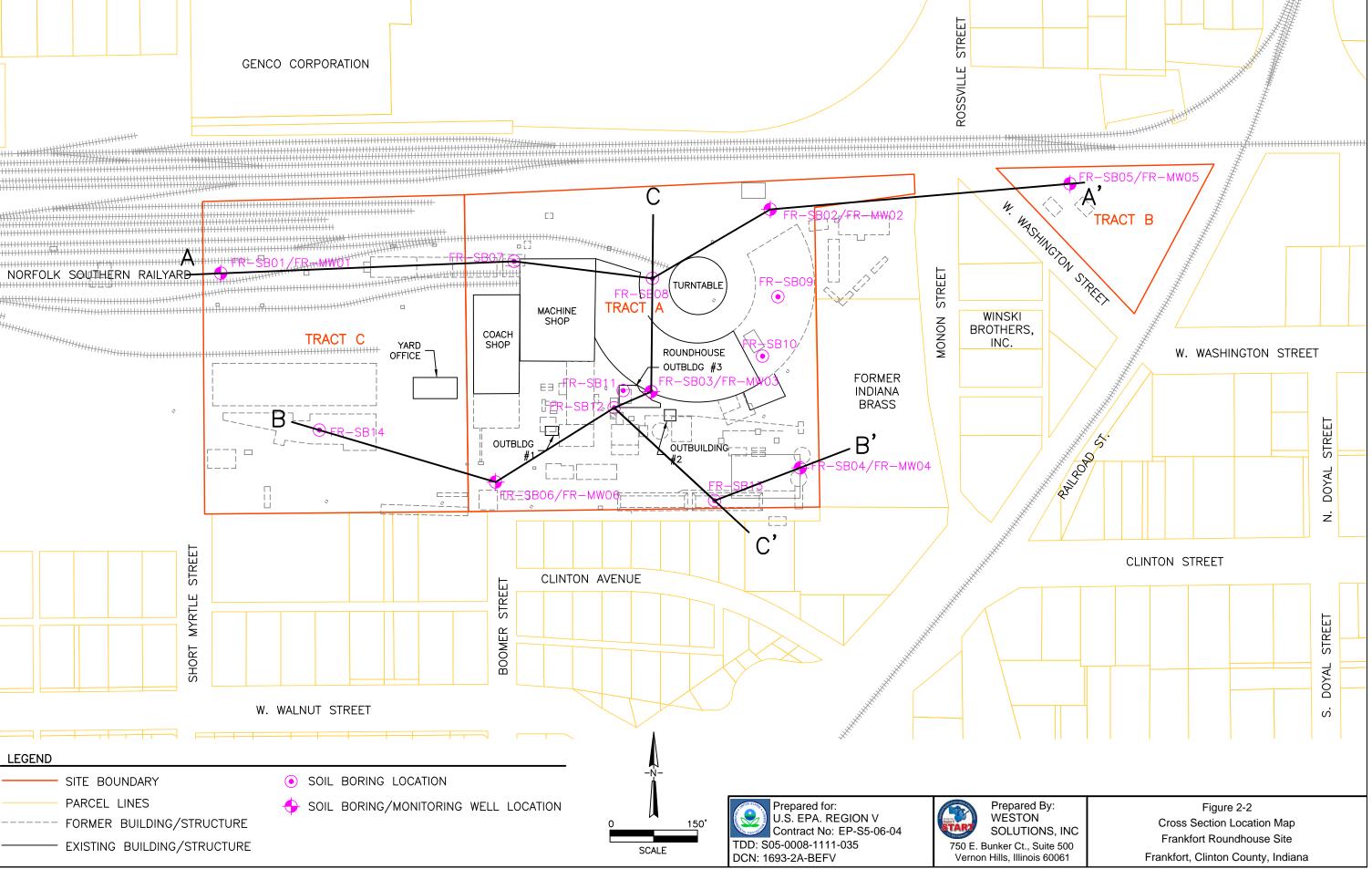
ND = Not detected

No. = Number

SF = Square feet

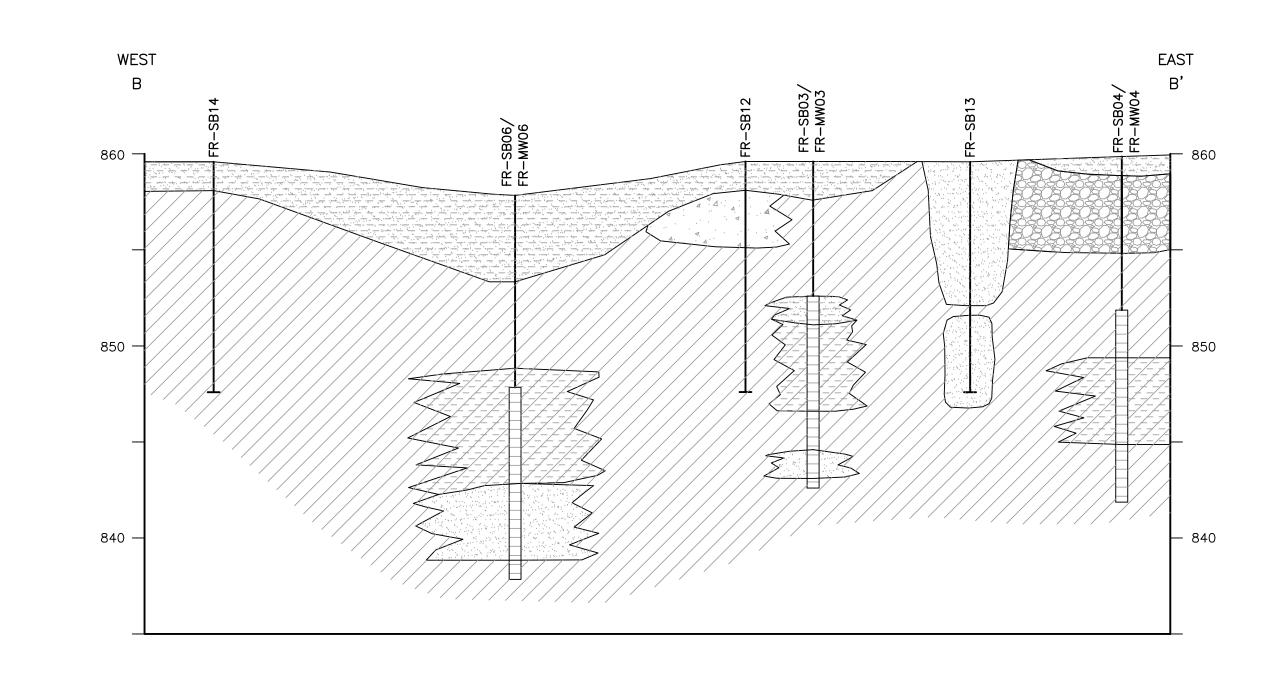






EAST

WEST





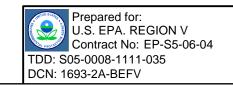
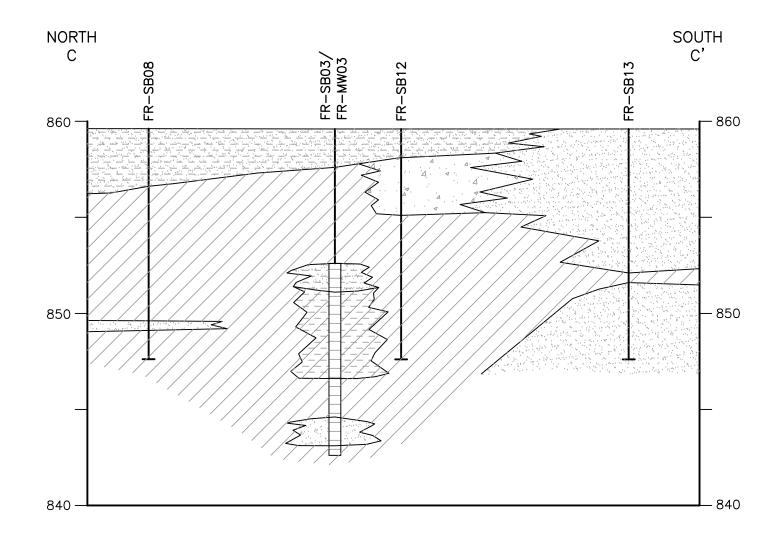
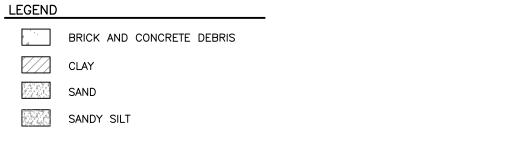
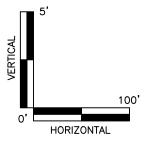




Figure 2-4
Geologic Cross Section B-B'
Frankfort Roundhouse Site
Frankfort, Clinton County, Indiana







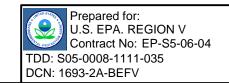
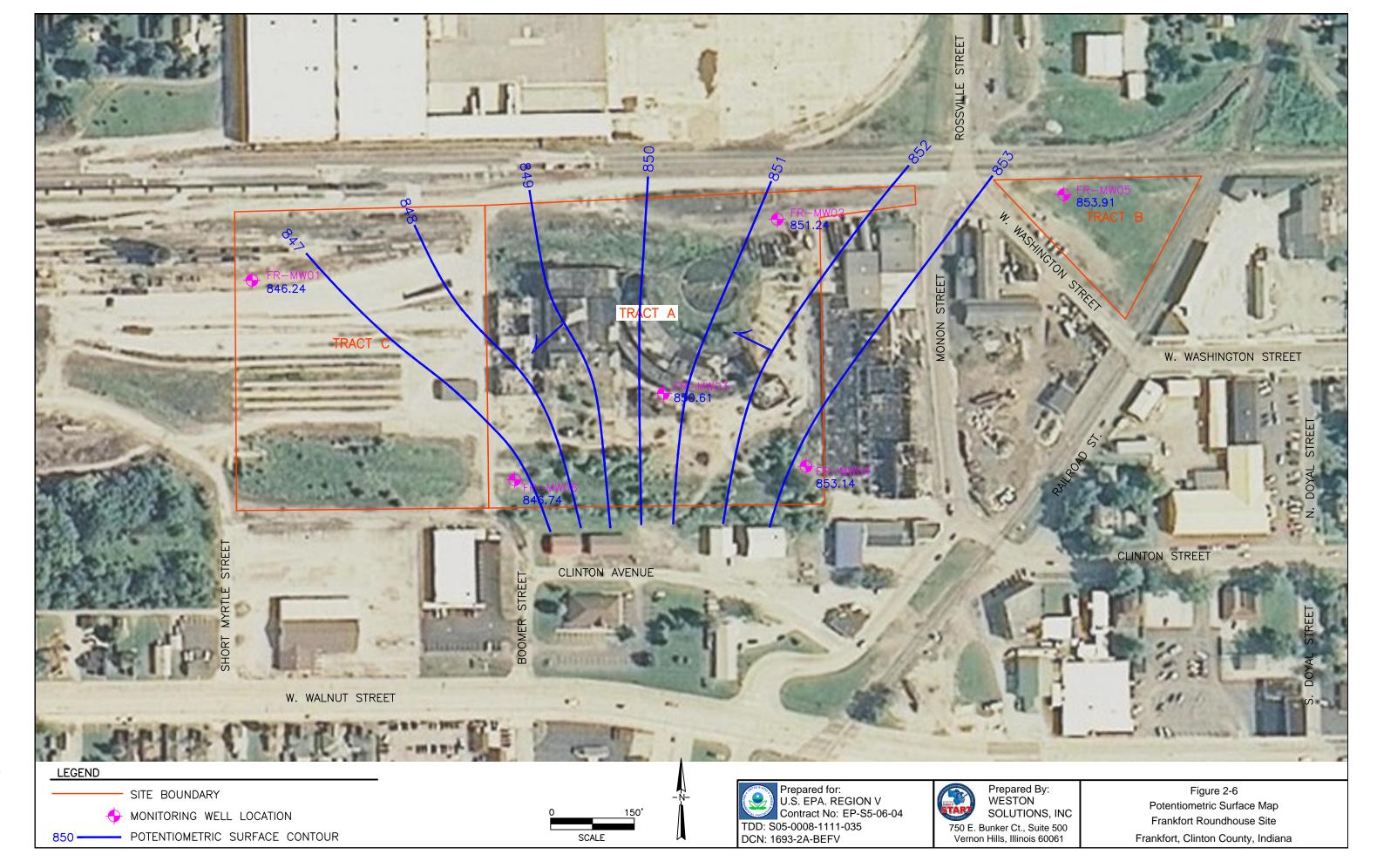
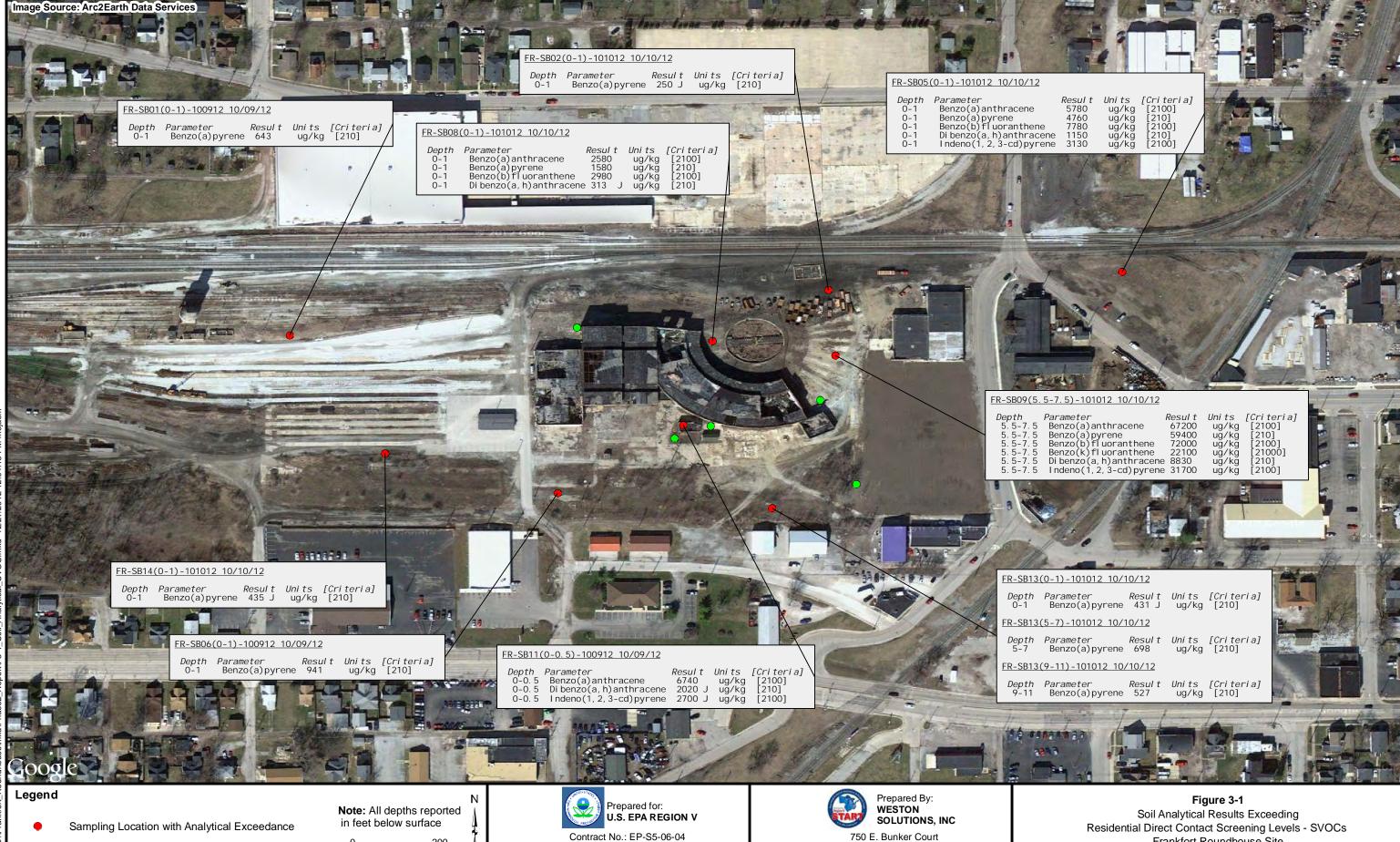




Figure 2-5
Geologic Cross Section C-C'
Frankfort Roundhouse Site
Frankfort, Clinton County, Indiana





TDD: S05-0008-1111-035

DCN:1693-2A-BEFV

200

750 E. Bunker Court

Suite 500

Vernon Hills, Illinois 60061

Frankfort Roundhouse Site

Frankfort, Clinton County, Indiana

Sampling Location with No Analytical Exceedance

Contract No.: EP-S5-06-04 TDD: S05-0008-1111-035 DCN:1693-2A-BEFV

750 E. Bunker Court

Suite 500

Vernon Hills, Illinois 60061

175

Soil Analytical Results Exceeding

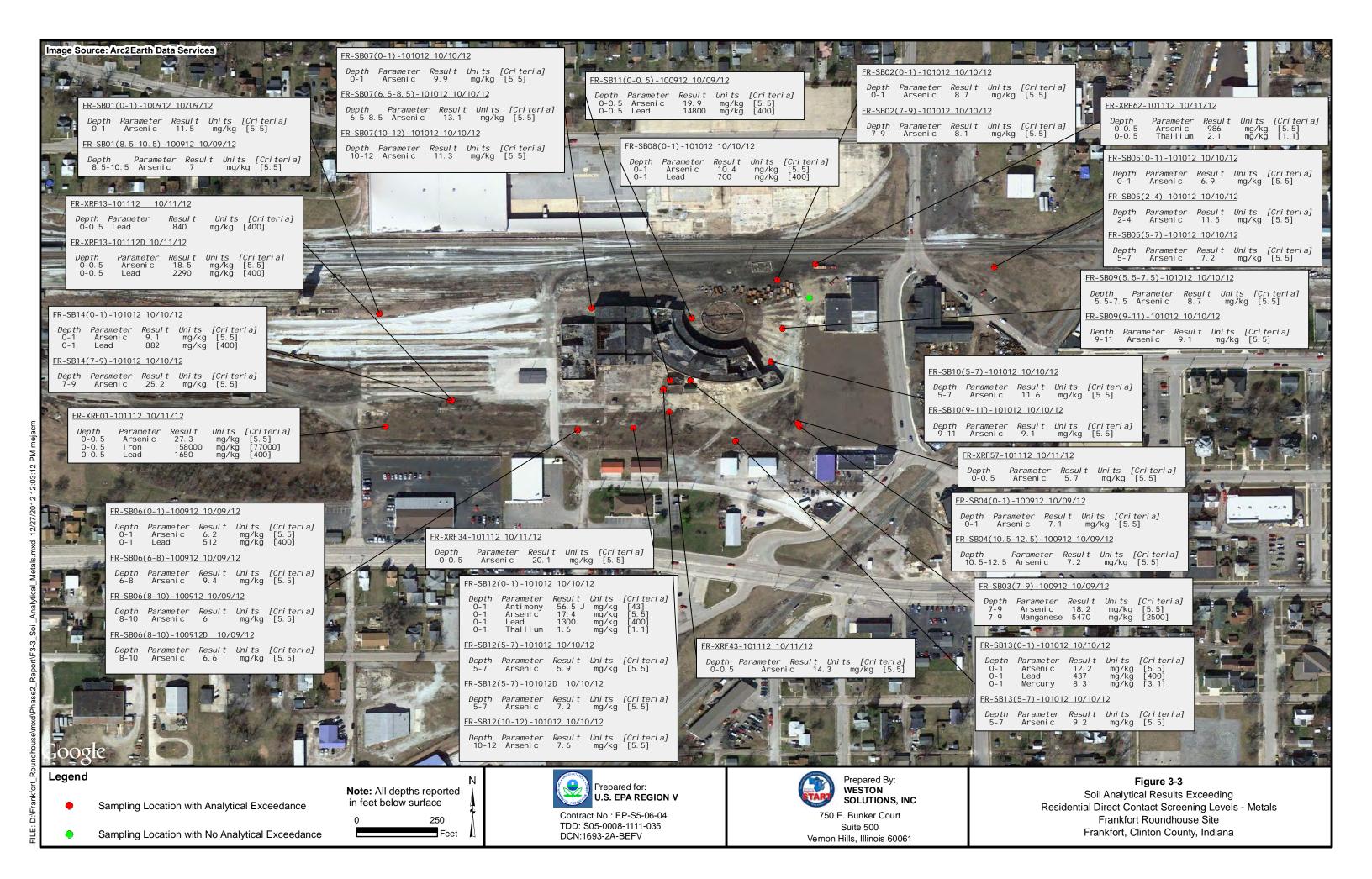
Nondefault Closure Levels – TPHs

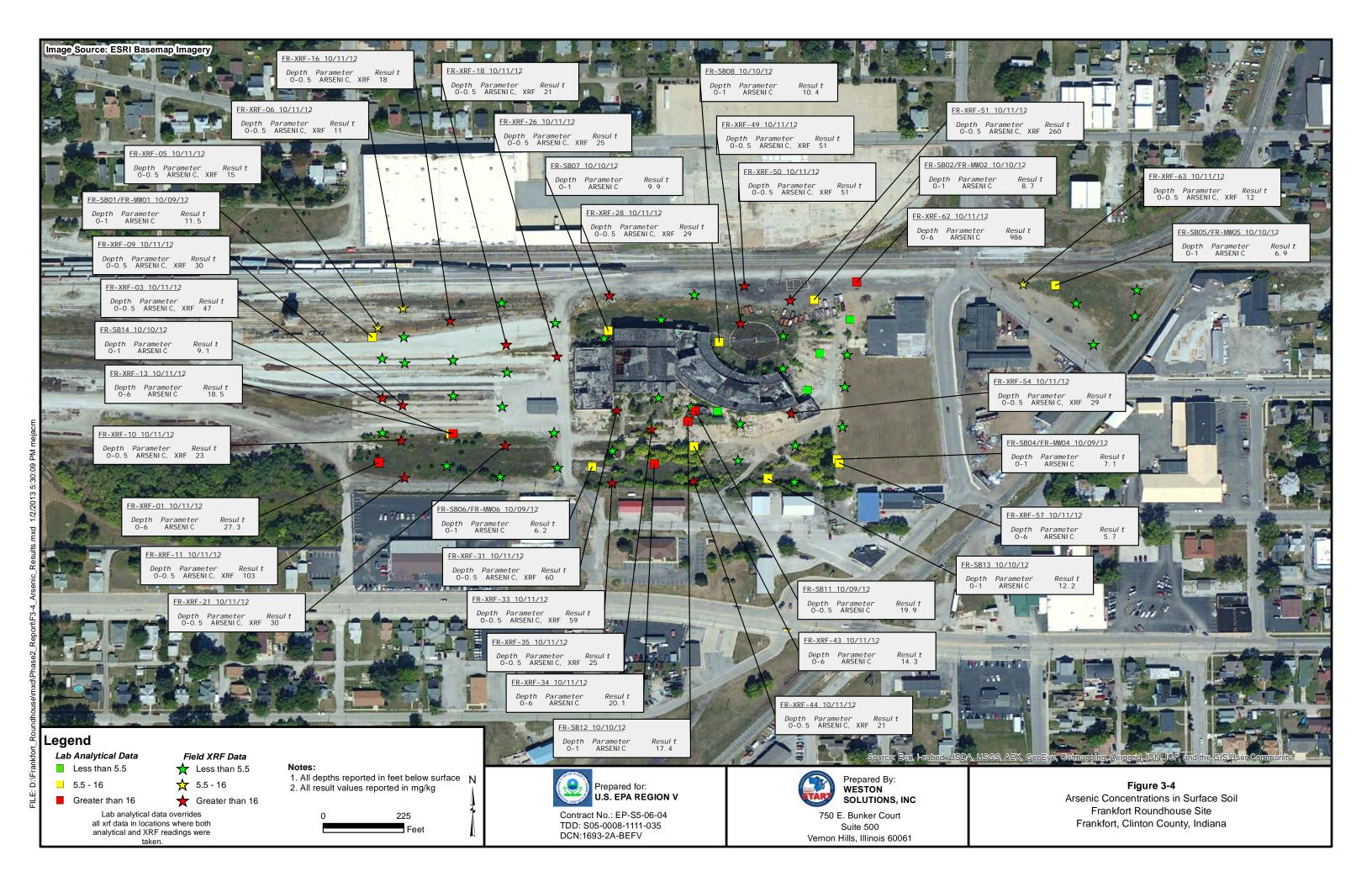
Frankfort Roundhouse Site

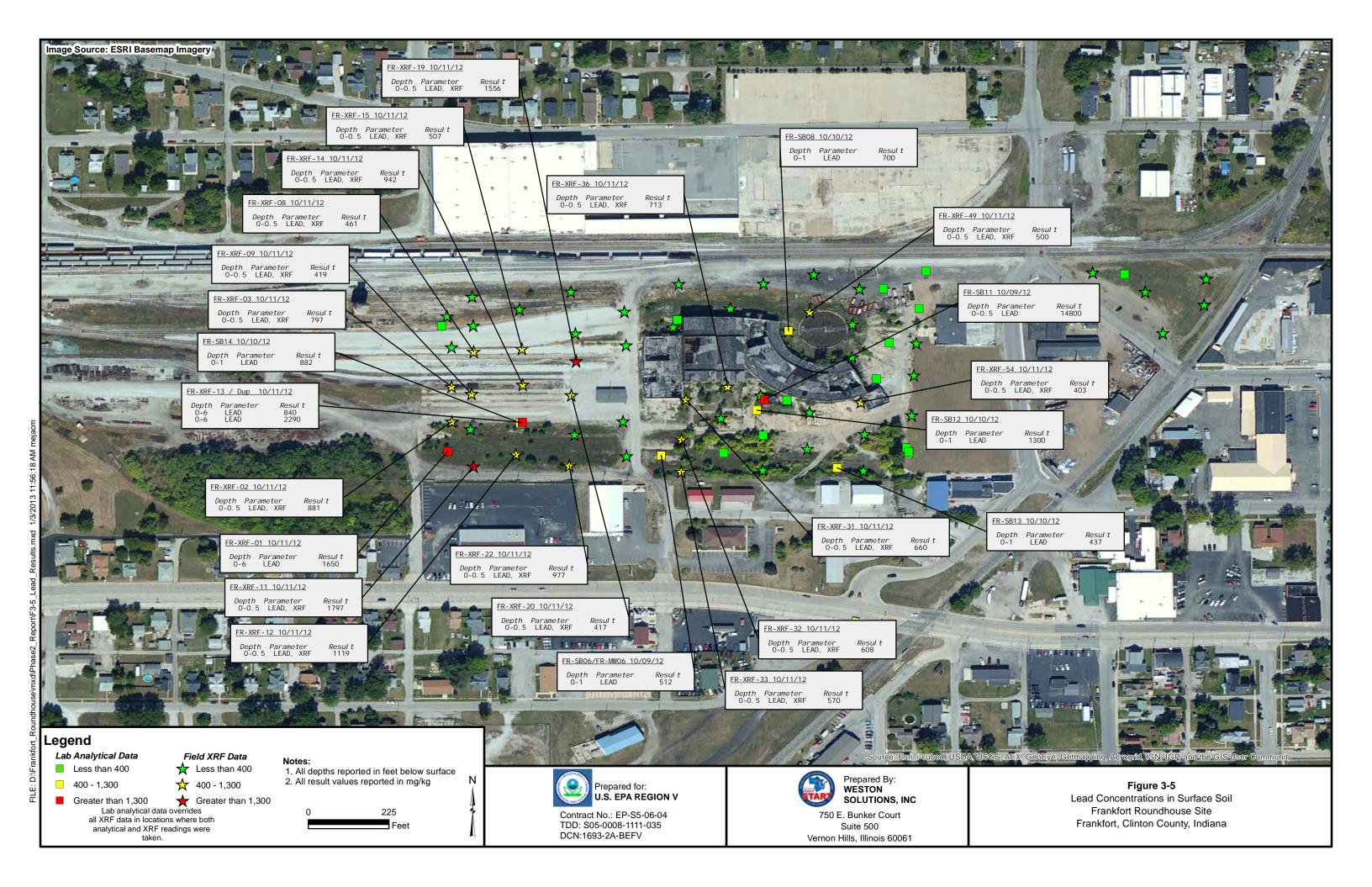
Frankfort, Clinton County, Indiana

Sampling Location with Analytical Exceendance

Sampling Location with No Analytical Exceendance



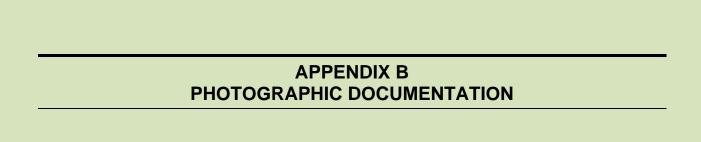






F: D.\Erankfort Roundhouse\mxxi\Phase2 Report\E3-6 Groundwater Apalvtical mxd 1/3/2013

APPENDIX A PHASE I ESA REPORT (CD VERSION ONLY)





Photograph No.: 1 Date: 10/8/12

Direction: West **Photographer:** David Sena

Subject: Private utility locator using ground penetrating radar to clear boring location for utilities



Site: Frankfort Roundhouse Site

Photograph No.: 2 **Date:** 10/10/12

Direction: West **Photographer:** David Sena

Subject: SCS Environmental Contracting, Inc. using Geoprobe to advance boring at location FR-

SB10.



Photograph No.: 3 **Date:** 10/10/12

Direction: North **Photographer:** David Sena

Subject: SCS Environmental Contracting, Inc. using Geoprobe to advance boring at location

FR-SB09



Site: Frankfort Roundhouse Site

Photograph No.: 4 **Date:** 10/10/12

Direction: South **Photographer:** David Sena

Subject: WESTON using hand auger to collect soil at location FR-SB11



Photograph No.: 5 **Date:** 10/10/12

Direction: South **Photographer:** David Sena

Subject: SCS Environmental Contracting, Inc. installing monitoring well at location FR-SB02/

FR-MW02



Site: Frankfort Roundhouse Site

Photograph No.: 6 **Date:** 10/10/12

Direction: West Photographer: David Sena

Subject: SCS Environmental Contracting, Inc. installing a monitoring well at FR-SB01/FR-MW01



Photograph No.: 7 **Date:** 10/12/12

Direction: West **Photographer:** David Sena

Subject: WESTON purging groundwater from monitoring well at location FR-SB01/FR-MW01

APPENDIX C SOIL BORING LOGS/MONITORING WELL CONSTRUCTION DIAGRAMS



Monitoring Well FR-MW01 / Soil Boring FR-SB01

	Rest	oring	SOLUTIONS , g Resource Efficiency					(Page	1 of 1)
	Fra	Con Frankf	S. EPA Region V tract: EP-S5-06-04 fort Roundhouse Site , Clinton County, Indiana	Drill Rig Type Drilling Company Weston Geologist	: 10-09-12 : Geoprobe : SCS Environ : J. Colomb : 24'	mental	Well Depth Screen Length Latitude Longitude	: 40.2	819787 52442968
Depth (ft)	GRAPHIC	nscs	Samples Collected Investigative Sample Duplicate Sample MS/MSD Sample DESCR	Analyses Performed VOCs, SVOCs, Metals, % Moisture	7	REMA	ARKS	Monitoring FR-MW01 Elev.: 859.	
0-		SM	SANDY SILT, small to medium		roduct	FR-SB01(0-1)-1	00912		
1-		SM	odor, damp. Average PID - 11. SANDY SILT, small to medium odor, saturated at 1.25'. Average	grained, black, mild p	roduct				
3-4-5-6-		CL	CLAY, soft, medium plasticity, product odor, damp. Average F	dark brown, strong PID - 15.2 ppm.	X	FR-SB01(4.5-6.	5)-100912		— Grout
7- 8- 9-		CL	CLAY, hard, medium plasticity, streaking, strong product odor, 4.8 ppm.	grey with dark brown damp/dry. Average Pl	ID -	FR-SB01(8.5-10	0.5)-100912		— Riser
10 - 11 -		CL	SILTY CLAY, some fine sand, medium plasticity, mild product PID - 1.8 ppm.						— Bentonite Se
12— 13— 14— 15— 16—		CL	CLAY, trace medium gravel, lig plasticity, mild product odor, da ppm.	ght brown, stiff, mediun amp/dry. Average PID	n - 0.3		-	V	
17— 18— 19— 20—		CL	CLAY, light brown to dark brow plasticity, light product odor, da ppm.		- 0.4				— Sand Pack — Screen
21 — 22 — - 23 —		SW	SAND, Well Graded, fine to comedium gravel, light brown, sa PID - 0.3 ppm.					Y	
24 — - 25 —			END OF BORING AT 24' bgs.						



Monitoring Well FR-MW02 / Soil Boring FR-SB02

	Rest		Resource Efficiency					(Page 1 of 1)
		U. Con Franki	S. EPA Region V tract: EP-S5-06-04 fort Roundhouse Site Clinton County, Indiana	Date Drill Rig Type Drilling Company Weston Geologist Completion Depth	: 10-10-12 : Geoprobe : SCS Envir : J. Colomb : 20'	ronm	Well Depth Screen Leng ental Latitude Longitude	: 19' gth : 10' : 40.28226313 : -86.5210517
Depth (ft)	GRAPHIC	nscs	Samples Collected Investigative Sample Duplicate Sample MS/MSD Sample DESCR	Analyses Performed VOCs, SVOCs, Metals, % Moisture, TPH GRO, ERO, VPH, EPH	, TPH	SAMPLE INTERVAL	REMARKS	Monitoring Well FR-MW02 Elev.: 859.50
0-		SM	SANDY SILT, fill, fine grained s dark brown, no odor, damp. Av		rel,		FR-SB02(0-1)-101012	— Grout
3-		CF CL	CONCRETE FILL CLAY, stiff, medium plasticity, of damp. Average PID - 0.0 ppm.					Riser
5— 6— 7—		CL	CLAY, soft/medium, medium pi brown streaking, no odor, damp ppm.	lasticity, grey with dark p/moist. Average PID	- 0.0		FR-SB02(4-6)-101012	— Bentonite Seal
8- 8- 9-		CL	SANDY CLAY, some medium of medium plasticity, light brown, Average PID - 0.0 ppm.	gravel, medium/stiff, saturated, no odor.	\	X	FR-SB02(7-9)-101012	
10 — 11 — 11 — 12 —		CL	CLAY, stiff, medium plasticity, I damp. Average PID - 0.0 ppm.					
13— 14— 15— 16—		CL	CLAY, very stiff, low plasticity, odor, damp. Average PID - 0.0	grey to light brown, no ppm.				Sand Pack Screen
17— - 18—		SP	SAND, Poorly Graded, fine to r odor, saturated. Average PID -	medium grained, grey, 0.0 ppm.	no			
19-		CL	CLAY, very stiff, low plasticity, Average PID - 0.0 ppm.	grey, damp, no odor.				
20 —			<u> </u>			!		1



Monitoring Well FR-MW03 / Soil Boring FR-SB03

CLAY, stiff, medium plasticity, light brown with grey streaking, no odor, damp. Average PID - 1.2 ppm. CL SANDY SILT, fine to medium grained, light brown, saturated, strong odor. Visual product encountered. Average PID - 10.9 ppm. SILTY CLAY, medium, low plasticity, light brown to dark brown, mild product odor, moist. Average PID - 2.0 ppm.	Resto	oring	Resource Efficiency						(F	Page 1 of 1)	
Samples Collected Investigative Sample Duplicate Sample Duplicate Sample PR-MS/MSD Sample PROCES, SVOCS, Metals, % Moisture, TPH GRO, TPH ERO, EPH, PCBs PR-MW03 Elev: 859.24 Samples Collected Investigative Sample Process Proces		Cont rankfo	ract: EP-S5-06-04 ort Roundhouse Site	Drill Rig Type Drilling Company	: Geoprobe : SCS Enviro	onm	Screen ental Latitude	Length	n	: 10' : 40.28104646	
Investigative Sample Duplicate Sample Duplicate Sample MS/MSD Sample ERO, EPH, PCBs Description Description Description Description Description SM SANDY SILT, fill, fine grained sand, dark brown, no odor, moist. Average PID - 0.3 ppm. CL CLAY, stiff, medium plasticity, grey to brown, no odor, moist. Average PID - 1.2 ppm. CL CLAY, stiff, medium plasticity, light brown with grey streaking, no odor, damp. Average PID - 1.2 ppm. SM SANDY SILT, fine to medium grained, light brown, saturated, strong odor. Visual product encountered. Average PID - 10.9 ppm. SILTY CLAY, medium, low plasticity, light brown to dark brown, mild product odor, moist. Average PID - 2.0 ppm. FR-SB03(7-9)-100912			Clinton County, Indiana	Completion Depth	: 18'	1					
SANDY SILT, fill, fine grained sand, dark brown, no odor, moist. Average PID - 0.3 ppm. CLAY, stiff, medium plasticity, grey to brown, no odor, moist. Average PID - 0.3 ppm. CLAY, stiff, medium plasticity, light brown with grey streaking, no odor, damp. Average PID - 1.2 ppm. CLAY, stiff, medium plasticity, light brown, saturated, strong odor. Visual product encountered. Average PID - 10.9 ppm. SM SANDY SILT, fine to medium grained, light brown, saturated, strong odor. Visual product encountered. Average PID - 10.9 ppm. SILTY CLAY, medium, low plasticity, light brown to dark brown, mild product odor, moist. Average PID - 2.0 ppm.	OHIC	0	Investigative Sample Duplicate Sample	VOCs, SVOCs, Metals, % Moisture, TPH GRO	, TPH L	PLE INTERVAL	DEMARKS		FR-M	MW03	
SANDY SILT, fill, fine grained sand, dark brown, no odor, moist. Average PID - 0.3 ppm. CLAY, stiff, medium plasticity, grey to brown, no odor, moist. Average PID - 0.3 ppm. CLAY, stiff, medium plasticity, light brown with grey streaking, no odor, damp. Average PID - 1.2 ppm. CL SANDY SILT, fine to medium grained, light brown, saturated, strong odor. Visual product encountered. Average PID - 10.9 ppm. SILTY CLAY, medium, low plasticity, light brown to dark brown, mild product odor, moist. Average PID - 2.0 ppm.	Depth	nsc	DESCR	IPTION		SAM	KEWAKNS				
CLAY, stiff, medium plasticity, grey to brown, no odor, moist. Average PID - 0.3 ppm. CLAY, stiff, medium plasticity, light brown with grey streaking, no odor, damp. Average PID - 1.2 ppm. CL CLAY, stiff, medium plasticity, light brown with grey streaking, no odor, damp. Average PID - 1.2 ppm. CL SANDY SILT, fine to medium grained, light brown, saturated, strong odor. Visual product encountered. Average PID - 10.9 ppm. SILTY CLAY, medium, low plasticity, light brown to dark brown, mild product odor, moist. Average PID - 2.0 ppm.	1-			sand, dark brown, no o	odor,		FR-SB03(0-1)-100912			— Grout	
CLAY, stiff, medium plasticity, light brown with grey streaking, no odor, damp. Average PID - 1.2 ppm. CL SANDY SILT, fine to medium grained, light brown, saturated, strong odor. Visual product encountered. Average PID - 10.9 ppm. SILTY CLAY, medium, low plasticity, light brown to dark brown, mild product odor, moist. Average PID - 2.0 ppm.	3-				r,					Riser — Bentonite Se	al
SANDY SILT, fine to medium grained, light brown, saturated, strong odor. Visual product encountered. Average PID - 10.9 ppm. SILTY CLAY, medium, low plasticity, light brown to dark brown, mild product odor, moist. Average PID - 2.0 ppm.	5-		CLAY, stiff, medium plasticity, streaking, no odor, damp. Aver	light brown with grey age PID - 1.2 ppm.							
9 SILTY CLAY, medium, low plasticity, light brown to dark brown, mild product odor, moist. Average PID - 2.0 ppm.	-	SM	saturated, strong odor. Visual Average PID - 10.9 ppm.	product encountered.		$\sqrt{}$	FR-SB03(7-9)-100912				
	10-		SILTY CLAY, medium, low plate brown, mild product odor, mois	sticity, light brown to d st. Average PID - 2.0 p	lark /			-		— Sand Pack	
12————————————————————————————————————	12-									Screen	
CLAY, stiff, medium plasticity, light brown to grey, no odor, damp. Average PID - 1.9 ppm. FR-SB03(13-15)-100912	14-		CLAY, stiff, medium plasticity, odor, damp. Average PID - 1.9	light brown to grey, no ppm.			FR-SB03(13-15)-100912				
SAND, Poorly Graded, fine to medium grained, light brown, no odor, saturated. Average PID - 0.8 ppm.	-	- 1	SAND, Poorly Graded, fine to r brown, no odor, saturated. Ave	medium grained, light rage PID - 0.8 ppm.							
CLAY, stiff, medium plasticity, grey, no odor, damp. Average PID - 0.7 ppm.			CLAY, stiff, medium plasticity, Average PID - 0.7 ppm.	grey, no odor, damp.							
18 END OF BORING AT 18' bgs.	-		END OF BORING AT 18' bgs.		'						



Monitoring Well FR-MW04 / Soil Boring FR-SB04

	Rest	toring	g Resource Efficiency					(Page 1 of 1)
	Fra	Con	S. EPA Region V tract: EP-S5-06-04 fort Roundhouse Site , Clinton County, Indiana	Date Drill Rig Type Drilling Company Weston Geologist Completion Depth	: 10-09-12 : Geoprobe : SCS Enviro : J. Colomb : 18'	nme	Well Depth Screen Lengt ntal Latitude Longitude	: 18' th : 10' : 40.28104646 : -86.52087714
Depth (ft)	GRAPHIC	nscs	Samples Collected Investigative Sample Duplicate Sample MS/MSD Sample DESCR	Analyses Performed VOCs, SVOCs, Metals % Moisture, TPH GRO ERO, EPH, VPH, PCBs	, A A A A A A A A A A A A A A A A A A A		REMARKS	Monitoring Well FR-MW04 Elev.: 859.30
0- 1-		SM	SANDY SILT, fill, fine to mediu odor, moist. Average PID - 2.6	ppm.		F	FR-SB04(0-1)-100912	
2- 3- 4-		CL	GRAVEL, Poorly Graded, smal fine sand, grey, no odor, dry. A	ll to medium sized, so Average PID - 4.0 ppm	me n.			Riser — Bentonite Seal
5— 6—		CL	CLAY, some small gravel, stiff, brown, no odor, damp. Average	medium plasticity, da e PID - 16.7 ppm.	ırk			
7 — 8 — 9 — 10 —		CL	CLAY, medium, medium plastic streaking, strong odor, damp. <i>I</i>	city, grey with brown Average PID - 29.7 pp	m.			
11 -		CL	SILTY CLAY, medium/soft, me strong product odor, wet. Visua Average PID - 38.1 ppm.	dium plasticity, dark b al product encountered	orown, d.	F	FR-SB04(10.5-12.5)-100912	-Sand Pack
13-		CL	SILTY CLAY, some fine sand, light brown, slight product odor ppm.	medium, medium plas , wet. Average PID - 6	sticity, 5.2	F	FR-SB04(13-15)-100912	Screen
15— 16— 17—		CL	CLAY, stiff, medium plasticity, odamp. Average PID - 3.5 ppm.					
18	////		END OF BORING AT 18' bgs.					
19-								



Monitoring Well FR-MW05 / Soil Boring FR-SB05

1	Res ⁻	toring	g Resource Efficiency				(Page 1 of 1)
		Con	S. EPA Region V tract: EP-S5-06-04 fort Roundhouse Site	Date Drill Rig Type Drilling Company Weston Geologist	: 10-10-12 : Geoprobe : SCS Environr : J. Colomb	Well Depth Screen Leng nental Latitude Longitude	: 16' gth : 10' : 40.28237484 : -86.51920956
	Fr	ankfort,	Clinton County, Indiana	Completion Depth	: 16'	3	
Depth (ft)	GRAPHIC	nscs	Samples Collected Investigative Sample Duplicate Sample MS/MSD Sample DESCR	Analyses Performed VOCs, SVOCs, Metals, % Moisture, TPH GRO, ERO, VPH, EPH,	. AVAI	REMARKS	Monitoring Well FR-MW05 Elev.: 861.40
0-	9				σ		
-		SM	SANDY SILT, fill, some fine to small to medium gravel, light b Average PID - 0.0 ppm.	rown, no odor, dry.	X	FR-SB05(0-1)-101012	— Grout
2-		SM	SANDY SILT, fine to medium of odor, damp. Average PID - 0.0	grained, dark brown, no O ppm.	0		— Bentonite Seal
3-4-5-		CL	CLAY, stiff, medium plasticity, brown streaking, no odor, mois		pm.	FR-SB05(2-4)-101012	Riser
6-		<u> </u>				FR-SB05(5-7)-101012	
8-		CL	SANDY CLAY, fine to medium light brown, no odor, saturated	sand, medium plastici . Average PID - 0.0 pp	ity, vm.		
9-		CL	SILTY CLAY, stiff, medium pla odor, wet. Average PID - 0.0 p				—Sand Pack
11-			SANDY CLAY, fine to medium grey, no odor, saturated. Avera	sand, medium plastici age PID - 0.0 ppm.	ity,		Screen
13-		CL					
15-		CL	CLAY, very stiff, low plasticity, Average PID - 0.0 ppm.	grey, no odor, damp.			
16-			END OF BORING AT 16' bgs.		•		
17-							



Monitoring Well FR-MW06 / Soil Boring FR-SB06

(Page 1 of 1)

Ī	Rest	oring	g Resource Efficiency			(Page 1 of 1)		
	Fra	Con Frankf	S. EPA Region V tract: EP-S5-06-04 fort Roundhouse Site Clinton County, Indiana	Date Drill Rig Type Drilling Company Weston Geologist Completion Depth	: 10-09-1 : Geoprol : SCS En : J. Color : 20'	be vironn	Well Depth Screen Leng nental Latitude Longitude	: 20' gth : 10' : 40.28098862 : -86.5227496
Depth (ft)	GRAPHIC	SOSO	Samples Collected Investigative Sample Duplicate Sample MS/MSD Sample DESCR	Analyses Performed VOCs, SVOCs, Metals % Moisture, TPH GRO ERO, VPH, EPH	d ,	SAMPLE INTERVAL	REMARKS	Monitoring Well FR-MW06 Elev.: 857.30
0-		SM	SANDY SILT, fill, fine to mediu odor, damp. Average PID - 0.0		n, mild		FR-SB06(0-1)-100912	
1— 2— 3— 4—		SM	SANDY SILT, fine to medium of odor, damp. Average PID - 0.8	grained, dark brown, m	nild			— Grout
5-6-7-8-		CL	CLAY, stiff, low/medium plastic streaking, mild product odor, d grained sand seam at 8.5'. Ave	amp. Fine to medium	wn		FR-SB06(6-8)-100912 FR-SB06(8-10)-100912	— Bentonite Seal
9 — 10 — 11 —		CL	SILTY CLAY, some small grav brown, mild product odor, dam ppm.	el, medium plasticity, p/moist. Average PID	light - 0.7		FR-SB06(8-10)-100912D	
12 — 13 — 14 —		CL	SILTY CLAY WITH SAND, sor gravel, medium plasticity, light to medium sand seam at 13.5-ppm.	brown, no odor, wet. I	Fine			— Sand Pack
15— 16— 17— 18—	<i>/ / /</i>	SW	SAND, Well Graded, fine to co gravel, grey, no odor, saturated					Screen
19		CL	CLAY, very stiff, low plasticity, Average PID - 0.0 ppm.	grey, no odor, damp.				
21 –			END OF BORING AT 20' bgs.					



(Page 1 of 1)

U.S. EPA Region V Contract: EP-S5-06-04

01-03-2013 \rSVHI01\Projects\EPA\EPA R5 START3\Site Files\Brownfields - Indiana Roundhouse\Phase II Field Documentation\Boring Logs\SB-07.bor

14

15

Frankfort Roundhouse Site

Date : 10-10-12 Drill Rig Type : Geoprobe

Drilling Company : SCS Environmental

Latitude : 40.28202636 Longitude : -86.52262755

Weston Geologist : J. Colomb Frankfort, Clinton County, Indiana Completion Depth Samples Collected **Analyses Performed** SAMPLE INTERVAL Investigative Sample VOCs, SVOCs, Metals, **Duplicate Sample** % Moisture, TPH GRO, TPH MS/MSD Sample ERO, VPH, EPH DEPTH (ft) **GRAPHIC USCS REMARKS DESCRIPTION** 0 SILTY SAND, fine to medium sand, some small to medium gravel, black, dry, strong product odor. Some soil staining FR-SB07(0-1)-101012 observed. Average PID - 55.1 ppm 1 SM 2 3 CLAY, stiff, medium plasticity, dark brown with dark grey streaking, mild to strong product odor, moist. Average PID -4 56.7 ppm. CL 5 SANDY CLAY, fine to medium grained, medium plasticity, light brown, strong odor, damp. Average PID - 79.6 ppm. 6 7 CL FR-SB07(6.5-8.5)-101012 8 CLAY, small to medium gravel, some fine sand, medium plasticity, light brown with dark brown streaking, strong odor, 9. damp. Average PID - 47.6 ppm. 10 CL FR-SB07(10-12)-101012 11 12 END OF BORING AT 12'. 13



Latitude

(Page 1 of 1)

U.S. EPA Region V Contract: EP-S5-06-04

01-03-2013 \rightarrow \righta

Date : 10-10-12
Drill Rig Type : Geoprobe

	U.S. EPA Region V Contract: EP-S5-06-04 Frankfort Roundhouse Site Frankfort, Clinton County, Indiana Samples Collected Investigative S Duplicate Sam MS/MSD Sam MS/MSD Sam			Date Drill Rig Typ Drilling Com Weston Geo Completion	pany ologist	: 10-10-12 : Geoprobe : SCS Environmental : J. Colomb : 12		Longitude	: 40.2819418
DEPTH (ft)				Sample nple nple	pple % Moisture				REMARKS
0- 1- 2-		SM	SANDY SILT, fine to gravel, dark brown,	o medium gra damp, no od	ained, soi lor. Avera	me small to medium ge PID - 0.0 ppm.		FR-SB08(0-1)-	101012
3-		CL	CLAY, stiff, medium streaking, mild odor	n plasticity, lig r, damp. Aver	ght brown rage PID	with dark brown - 1.2 ppm.			
4		CL	CLAY, soft, high plasticity, sticky, grey strong odor, wet. Average PID - 12.1			i		FR-SB08(6-8)-	101012
9-		CL	CLAY, medium, me Average PID - 0.6 p	dium plasticit	ty, light bi	rown, no odor, damp.		FR-SB08(8-10)-101012
10-		SP	SAND, Poorly Grad odor, saturated. Ave	ed, fine to co erage PID - 0	arse san	d, light brown, no]		
11-		CL	CLAY, stiff, medium streaking, no odor,	n plasticity, lig	ght brown	with dark brown).			
12-			END OF BORING A	AT 12'.				1	
13-									
-	<u> </u> 								
14-									
45									
15-	1								



(Page 1 of 1)

U.S. EPA Region V Contract: EP-S5-06-04

Frankfort Roundhouse Site

01-03-2013 \\FSVHI01\Projects\EPA\EPA R5 START3\Site Files\Brownfields - Indiana Roundhouse\Phase II Field Documentation\Boring Logs\SB-09.bor

14

15-

Date : 10-10-12 Drill Rig Type : Geoprobe

Drilling Company : SCS Environmental

Weston Geologist : J. Colomb Latitude : 40.28185178 Longitude : -86.52100802

				Geologist : J. Colomb etion Depth : 12		
DEPTH (ft)	GRAPHIC	nscs	Samples Collected Investigative Sample Duplicate Sample MS/MSD Sample DES	Analyses Performed VOCs, SVOCs, Metals, % Moisture, TPH GRO, TPH ERO, EPH, VPH	SAMPLE INTERVAL	REMARKS
0- 1-			CLAY, medium, medium pla brown streaking, no odor, m	sticity, dark brown with light oist. Average PID - 00 ppm.		FR-SB09(0-1)-101012
2-		CL				
4- 5-		CL	CLAY, medium, medium pla product odor, moist. Average	sticity, very sticky, black, mild e PID - 0.0 ppm.		
6- 7- 8-		CL	CLAY, stiff, medium plasticit streaking, mild product odor	y, grey with light brown , damp. Average PID - 0.0 ppm.		FR-SB09(5.5-7.5)-101012
9-		CL	CLAY, some small to mediu plasticity, grey with light brown Average PID - 0.0 ppm.	m gravel, medium, medium wn streaking, no odor, damp.		FR-SB09(9-11)-101012
12-	<u>/ / / / / / </u>		END OF BORING AT 12'.			
13-						



(Page 1 of 1)

-		U.S. Contr Frankfo	EPA Regract: EP-Stort Roundh	5-06-04	Date Drill Rig Typ Drilling Com Weston Geo Completion I	pany : SCS Environmental logist : J. Colomb		Latitude Longitude	: 40.28157276 : -86.52110504
-	DEPTH (ft)	ЭНС	w.	Samples Collected Investigative Samples Samples Collected Investigative Samples Samples Samples Collected MS/MSD Samples Collected	ve Sample VOCs, SVOCs, Metals, Sample % Moisture, TPH GRO, TPH		SAMPLE INTERVAL		DEMARKS
	DEP	GRAPHIC	nscs		DESCR	IPTION	SAME		REMARKS
Indiana Roundhouse\Phase II Field Documentation\Boring Logs\SB-10.bor	0- 1- 2-		CL	CLAY, medium, me brown streaking, no	dium plasticit odor, moist.	ty, dark brown with light Average PID - 0.0 ppm.		FR-SB10(0-1)-1	101012
	3- 4- 5-		CL	CLAY, medium, me brown streaking, no	dium plasticit odor, damp.	ty, dark brown with light Average PID - 0.0 ppm.			
	6- 7- 8-		CL	CLAY, stiff, medium streaking, no odor,	ı plasticity, gr damp. Avera	rey with light brown ge PID - 0.0 ppm.		FR-SB10(5-7)-1	101012
01-03-2013 \\FSVHI01\Projects\EPA\EPA R5 START3\Site Files\Brownfields - Ind	medium, medium pla streaking, no odor, o				asticity, light	race fine to medium sand, brown with dark brown ge PID - 0.0 ppm.		FR-SB10(9-11)	-101012
01-03-2013 \\FSVHI01\Projects\EPA\\	12 13 14 15-			END OF BORING A	AT 12'.		·		



Latitude

(Page 1 of 1)

: 40.28133471

U.S. EPA Region V Contract: EP-S5-06-04

01-03-2013 \rightarrow \righta

Date : 10-10-12
Drill Rig Type : Geoprobe

	Contract: EP-S5-06-04 Frankfort Roundhouse Site Frankfort, Clinton County, Indiana		Drill Rig Typ Drilling Com Weston Geo Completion	pany ologist	: Geoprobe : SCS Environmental : J. Colomb : 12			Longitude : -86.52201833	
DЕРТН (ft)	Samples Collected Investigative s Duplicate Sam MS/MSD San		Sample VOCs, SVOCs, Metals, nple % Moisture, TPH GRO, TPH		AMDIE INTEDVAL	PLE INTERVAL	REMARKS		
	GRA	nscs		DESCRIPTION			2	SAIN	
0-	-	SM	SANDY SILT, fine to brown, mild odor, da	SANDY SILT, fine to medium grained, some small gravel, dark brown, mild odor, damp. Average PID - 0.6 ppm.			rk		FR-SB12(0-1)-101012
2- 3- 3- 4-	-	BRICK AND CONCRETE DEBRI				age PID - 7.8 ppm.			
5- 5- 6- 7-		CL	streaking, strong pro	stiff, medium plasticity, da ng, strong product odor, d ntered. Average PID - 37.6		n with grey sible product			FR-SB12(5-7)-101012 FR-SB12(5-7)-101012D
8- 8- 9-		CL	CLAY, stiff, medium streaking, mild odor	n plasticity, lig	ght brown ge PID - (n with dark brown 34.1 ppm.			
10- - 11- - 12-			END OF BORING	NT 42'					FR-SB12(10-12)-101012
13- 14- 15-			END OF BORING A	AT 12.					



(Page 1 of 1)

U.S. EPA Region V Contract: EP-S5-06-04

Frankfort Roundhouse Site Frankfort, Clinton County, Indiana

01-03-2013 \\FSVHI01\Projects\EPA\EPA R5 START3\Site Files\Brownfields - Indiana Roundhouse\Phase II Field Documentation\Boring Logs\SB-13.bor

15-

Date : 10-10-12
Drill Rig Type : Geoprobe

: SCS Environmental

Weston Geologist : J. Colomb Completion Depth : 12

Drilling Company

Latitude : 40.28089492 Longitude : -86.52140519

			ounty, Indiana Completion			
DEPTH (ft)	GRAPHIC	nscs	Samples Collected Investigative Sample Duplicate Sample MS/MSD Sample DESCI	Analyses Performed VOCs, SVOCs, Metals, % Moisture, TPH GRO, TPH ERO, VPH, EPH, PCBs	SAMPLE INTERVAL	REMARKS
0- 1- 2- 3- 4-		SP	SAND, Poorly Graded, fine to n cemented, no odor, dry. Average	nedium grained, black, ge PID - 0.6 ppm.		FR-SB13(0-1)-101012
5- 6- 7-		SP	SAND, Poorly Graded, fine to n cemented, no odor, damp. Som Average PID - 0.0 ppm.	nedium grained, black, ne iron oxidation encountered.		FR-SB13(5-7)-101012
8-		CL	CLAY, very soft, non-plastic, ge Average PID - 0.0 ppm.	elatinous, no odor, wet.		
9- 10- 11-		SP	SAND, Poorly Graded, coarse sodor, damp. Average PID - 0.0	sand, some small gravel, no ppm.		FR-SB13(9-11)-101012
11-		SP	SAND, Poorly Graded, coarse sodor, saturated. Average PID -	sand, some small gravel, no 0.0 ppm.		
12			END OF BORING AT 12'.			
13- - 14-						



Latitude

(Page 1 of 1)

: 40.28123852

U.S. EPA Region V Contract: EP-S5-06-04

01-03-2013 \\FSVHI01\Projects\EPA\EPA R5 START3\Site Files\Brownfields - Indiana Roundhouse\Phase II Field Documentation\Boring Logs\SB-14.bor

Date : 10-10-12 Drill Rig Type : Geoprobe

	Contract: EP-S5-06-04 Frankfort Roundhouse Site Frankfort, Clinton County, Indiana		5-06-04 ouse Site	Drill Rig Type Drilling Compa Weston Geolo Completion De	gist : J. Colomb		Longitude : -86.52383028	
DЕРТН (ft)	Samples Collecte Investigative Duplicate Sa MS/MSD Sa			ample ple ple	Analyses Performed VOCs, SVOCs, Metals, % Moisture	SAMPLE INTERVAL	REMARKS	
	GR	nscs		DESCRIF	PTION	SA		
1-		SM	SANDY SILT, fine gi Average PID - 0.8 pi	rained, dark br om.	rown, rootlets, no odor, dry.		FR-SB14(0-1)-101012	
2- 3- 3- 4- 5- 6-		CL	CLAY, stiff, medium some grey, no odor,	plasticity, ligh damp. Averaç	t brown with black banding, ge PID - 0.7 ppm.			
7- 8- 9-		CL	CLAY, stiff, medium streaking, mild produ ppm.	plasticity, ligh uct odor, damp	t brown with grey b/moist. Average PID - 1.4		FR-SB14(7-9)-101012	
11-		CL	CLAY, some small g no odor, damp. Aver	ravel, stiff, me age PID - 0.5	edium plasticity, light brown, ppm.		FR-SB14(10-12)-101012	
12-	-		END OF BORING A	T 12'.		11 1	1	
14-								
15-								

APPENDIX D LABORATORY DATA AND DATA VALIDATION REPORTS (CD VERSION ONLY)

APPENDIX E XRF FIELD SCREENING RESULTS GRAPHICALLY COMPARED TO LABORATORY ANALYTICAL RESULTS

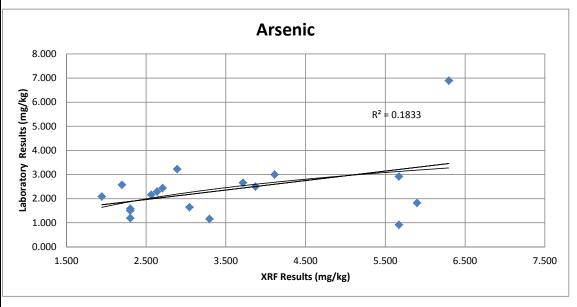
Appendix E, Table E-1 Arsenic XRF Field Screening Results Compared to Laboratory Analytical Results Frankfort Roundhouse Site, Frankfort, Clinton County, Indiana

	Sampling				
	Depth	Arsenic	LN Arsenic	Arsenic	LN Arsenic
Location ID	(feet bgs)	(XRF)	(XRF)	(Laboratory)	(Laboratory)
FR-XRF-13	0-0.5	290	5.670	2.5	0.916
FR-XRF-13					
(Duplicate)	0-0.5	290	5.670	18.5	2.918
FR-XRF-34	0-0.5	61	4.111	20.1	3.001
FR-XRF-43	0-0.5	41	3.714	14.3	2.660
FR-XRF-61	0-0.5	21	3.045	5.2	1.649
FR-XRF-62	0-0.5	542	6.295	986	6.894
FR-SB01/FR-					
MW01	0-1	15	2.708	11.5	2.442
FR-SB02/FR-					
MW02	4-6	10	2.303	4.9	1.589
FR-SB02/FR-					
MW02	7-9	7	1.946	8.1	2.092
FR-SB03/FR-		10	2 202		4.404
MW03 FR-SB06/FR-	0-1	10	2.303	3.3	1.194
MW06	0-1	364	5.897	6.2	1.825
FR-SB07	0-1	14	2.639	9.9	2.293
FR-SB07		9			
	6.5-8.5		2.197	13.1	2.573
FR-SB09	0-1	27	3.296	3.2	1.163
FR-SB09	5.5-7.5	13	2.565	8.7	2.163
FR-SB10	0-1	10	2.303	4.5	1.504
FR-SB13	0-1	48	3.871	12.2	2.501
FR-SB14	7-9	18	2.890	25.2	3.227
FR-XRF-01	0-0.5	Not Detected	0.000	27.3	3.307
FR-XRF-57	0-0.5	Not Detected	0.000	5.7	1.740
FR-SB03/FR-					
MW03	13-15	Not Detected	0.000	5.5	1.705
FR-SB04/FR-					
MW04	0-1	Not Detected	0.000	7.1	1.960
FR-SB05/FR- MW05		N-4 D 4 4 1	0.000	6.0	1.022
MWU5 FR-SB06/FR-	0-1	Not Detected	0.000	6.9	1.932
FK-3600/FK- MW06	6-8	Not Detected	0.000	9.4	2.241
FR-SB08	6-8	Not Detected	0.000	5	1.609
FR-SB10	5-7	Not Detected	0.000	11.6	2.451
FR-SB12					· -
	10-12	Not Detected	0.000	7.6	2.028
FR-SB13	5-7	Not Detected	0.000	9.2	2.219
FR-SB14	10-12	Not Detected	0.000	5.2	1.649

Data was logtansformed since the measured concentrations span more than one order of magnitude A correlation of 0.70 or greater can be use for screening

If r is 0.9 or greater, the data can be used to meet criteria.

r= 0.428135

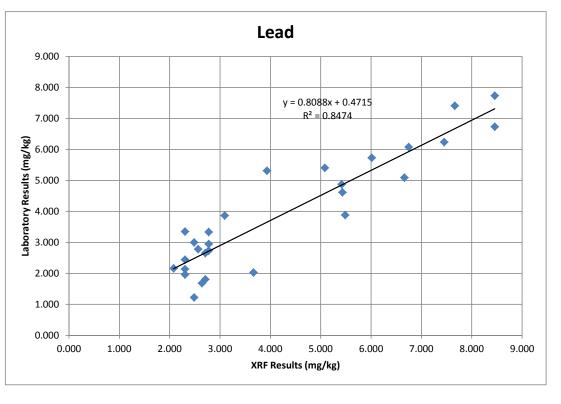


Appendix E, Table E-2 Lead XRF Field Screening Results Compared to Laboratory Analytical Results Frankfort Roundhouse Site, Frankfort, Clinton County, Indiana

	Sampling				
	Depth	Lead	LN	Lead	LN Lead
Location ID	(feet bgs)	(XRF)	Lead(XRF)	(Laboratory)	(Laboratory)
FR-XRF-01	0-0.5	2126	7.662	1,650	7.409
FR-XRF-13	0-0.5	4709	8.457	840	6.733
FR-XRF-13					
(Duplicate)	0-0.5	4709	8.457	2,290	7.736
FR-XRF-34	0-0.5	781	6.661	163	5.094
FR-XRF-43	0-0.5	408	6.011	308	5.730
FR-XRF-57	0-0.5	10	2.303	8.5	2.140
FR-XRF-61	0-0.5	161	5.081	223	5.407
FR-XRF-62	0-0.5	228	5.429	101	4.615
FR-SB01/FR-					
MW01	0-1	51	3.932	203	5.313
FR-SB02/FR-					
MW02	4-6	16	2.773	15.4	2.734
FR-SB03/FR- MW03	0.1	10	2.405	2.4	1 224
FR-SB03/FR-	0-1	12	2.485	3.4	1.224
MW03	13-15	14	2.639	5.4	1.686
FR-SB04/FR-	13-13	14	2.039	3.4	1.000
MW04	0-1	10	2.303	11.5	2.442
FR-SB05/FR-					
MW05	0-1	16	2.773	28.1	3.336
FR-SB06/FR-					
MW06	0-1	1721	7.451	512	6.238
FR-SB06/FR-					
MW06	6-8	16	2.773	19.1	2.950
FR-SB07	0-1	39	3.664	7.6	2.028
FR-SB07	6.5-8.5	8	2.079	8.7	2.163
FR-SB08	6-8	15	2.708	14.2	2.653
FR-SB09	0-1	241	5.485	48.5	3.882
FR-SB09	5.5-7.5	22	3.091	47.8	3.867
FR-SB10	0-1	12	2.485	20.1	3.001
FR-SB10	5-7	10	2.303	28.5	3.350
FR-SB12	10-12	10	2.303	7.1	1.960
FR-SB13	0-1	852	6.748	437	6.080
FR-SB13	5-7	225	5.416	131	4.875
FR-SB14	7-9	13	2.565	16.2	2.785
FR-SB14	10-12	15	2.708	6.1	1.808

Data was logtansformed since the measured concentrations span more than one order of magnitude A correlation of 0.70 or greater can be use for screening If r is 0.9 or greater, the data can be used to meet criteria.

r = 0.92



Frankfort Roundhouse

Boomer Street/Clinton Street Frankfort, IN 46041

Inquiry Number: 4176082.9

January 08, 2015

The EDR Aerial Photo Decade Package



EDR Aerial Photo Decade Package

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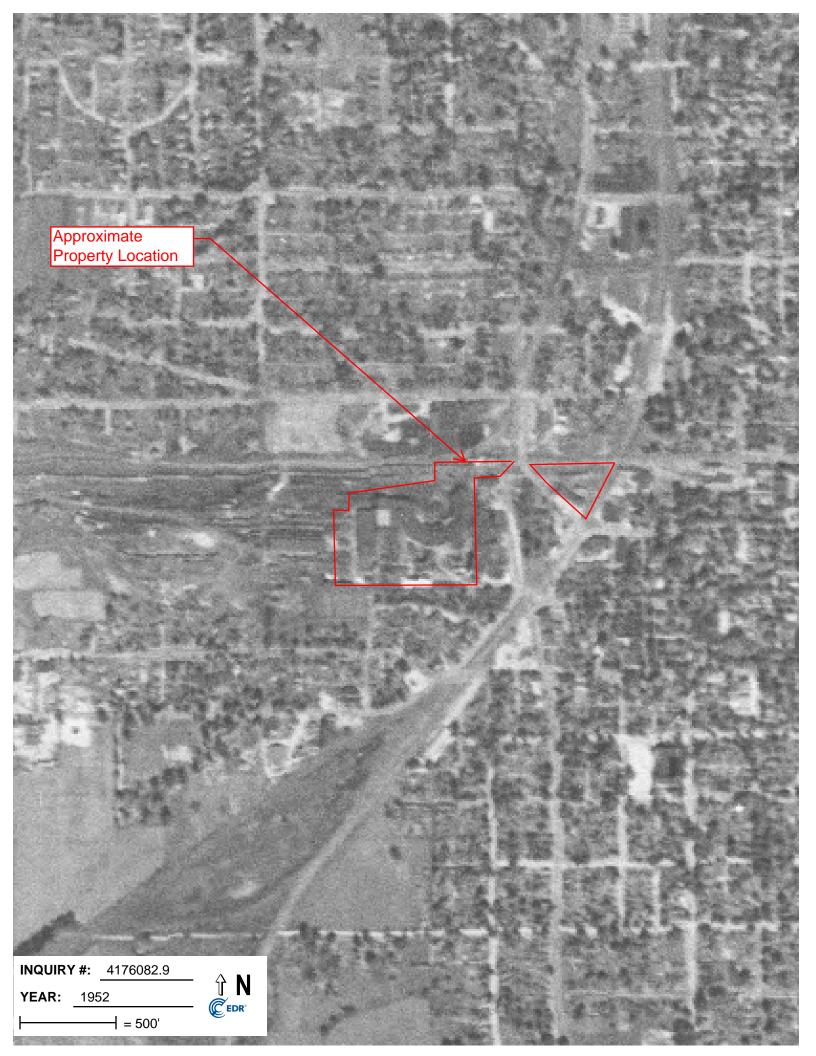
Date EDR Searched Historical Sources:

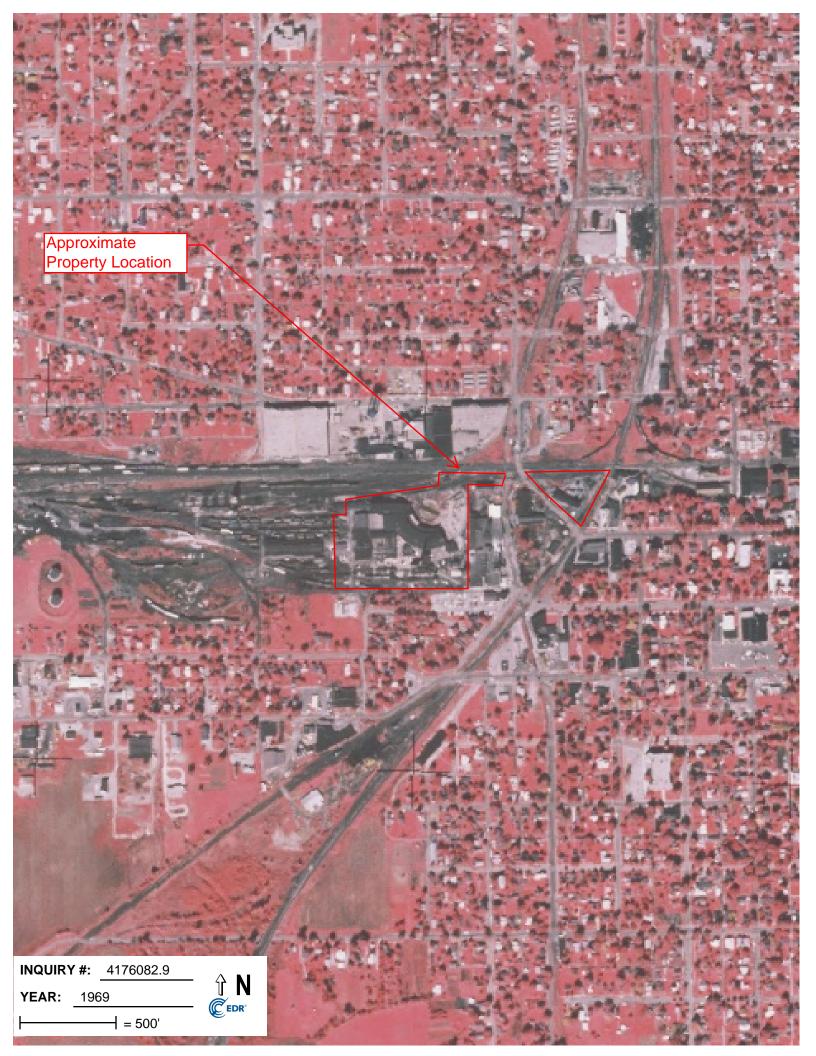
Aerial Photography January 08, 2015

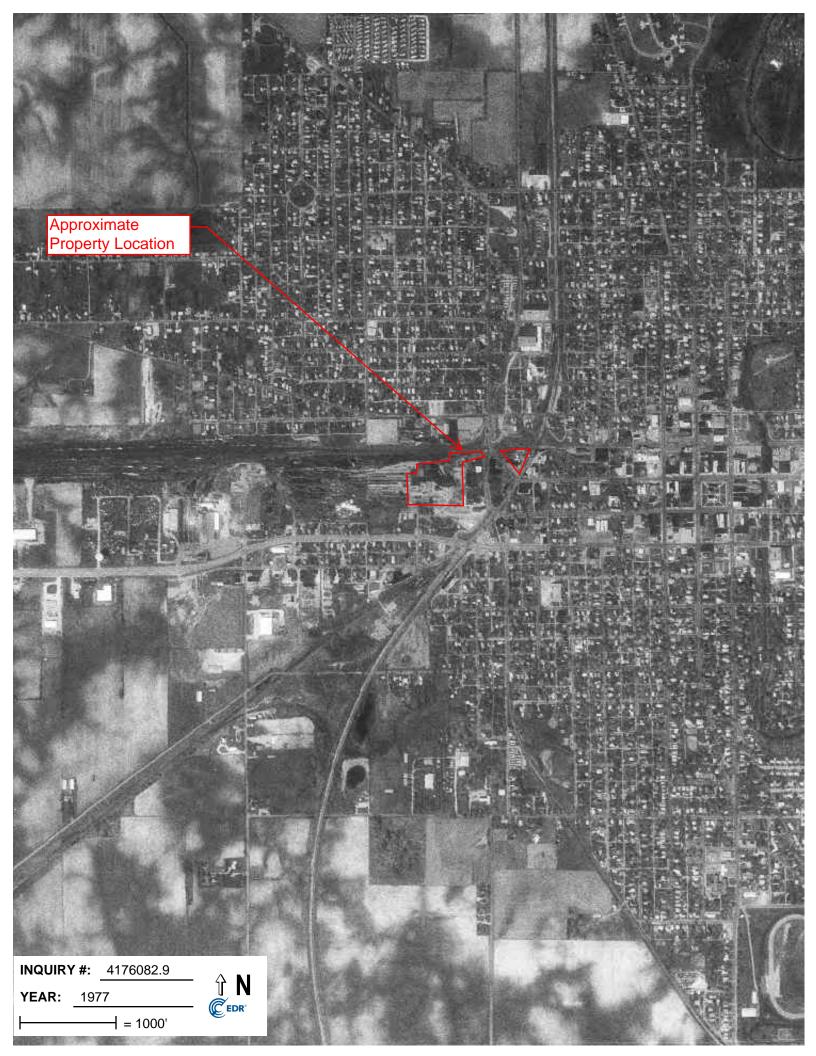
Target Property:

Boomer Street/Clinton Street Frankfort, IN 46041

<u>Year</u>	<u>Scale</u>	<u>Details</u>	<u>Source</u>
1952	Aerial Photograph. Scale: 1"=500'	Flight Date: January 01, 1952	USGS
1969	Aerial Photograph. Scale: 1"=500'	Flight Date: January 01, 1969	USGS
1977	Aerial Photograph. Scale: 1"=1000'	Flight Date: April 10, 1977	EDR
1987	Aerial Photograph. Scale: 1"=1000'	Flight Date: June 17, 1987	EDR
1992	Aerial Photograph. Scale: 1"=500'	Flight Date: March 24, 1992	EDR
1998	Aerial Photograph. Scale: 1"=500'	DOQQ - acquisition dates: April 05, 1998	USGS/DOQQ
2005	Aerial Photograph. Scale: 1"=500'	Flight Year: 2005	USDA/NAIP
2006	Aerial Photograph. Scale: 1"=500'	Flight Year: 2006	USDA/NAIP
2007	Aerial Photograph. Scale: 1"=500'	Flight Year: 2007	USDA/NAIP
2008	Aerial Photograph. Scale: 1"=500'	Flight Year: 2008	USDA/NAIP
2010	Aerial Photograph. Scale: 1"=500'	Flight Year: 2010	USDA/NAIP
2012	Aerial Photograph. Scale: 1"=500'	Flight Year: 2012	USDA/NAIP

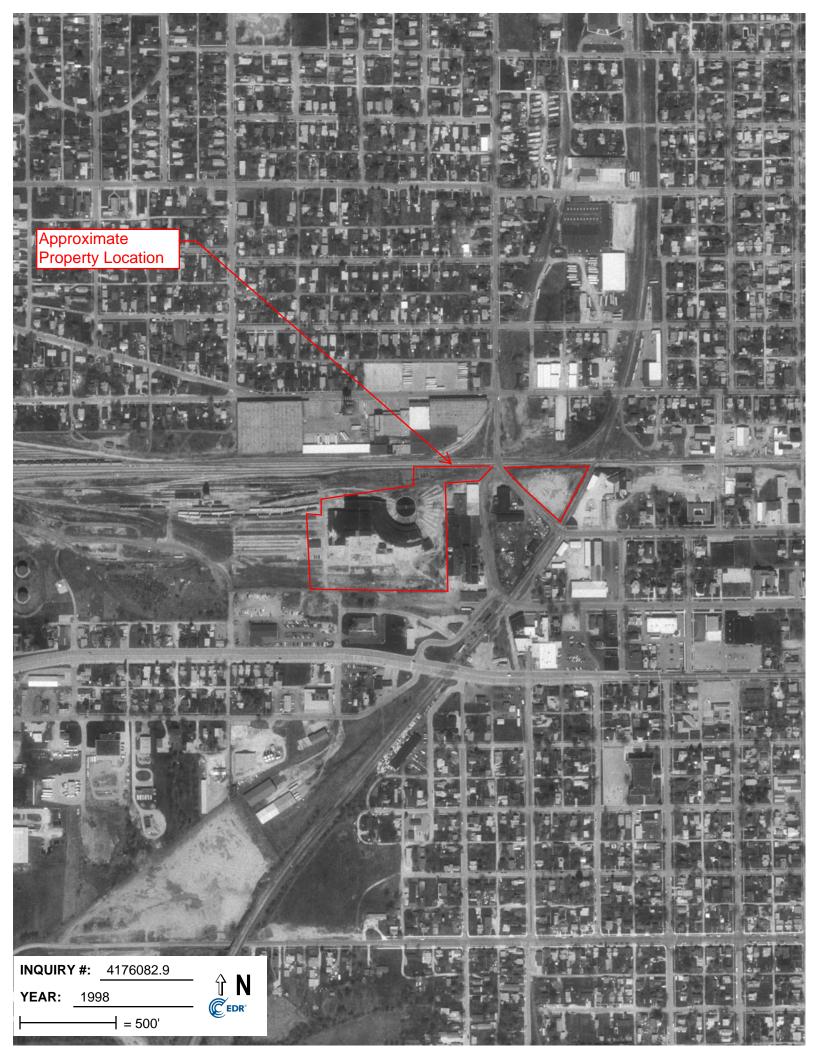


















⊢ = 500′







Frankfort Roundhouse

Boomer Street/Clinton Street Frankfort, IN 46041

Inquiry Number: 4176082.4

January 08, 2015

EDR Historical Topographic Map Report



EDR Historical Topographic Map Report

Environmental Data Resources, Inc.s (EDR) Historical Topographic Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDRs Historical Topographic Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the early 1900s.

Thank you for your business.
Please contact EDR at 1-800-352-0050 with any questions or comments.

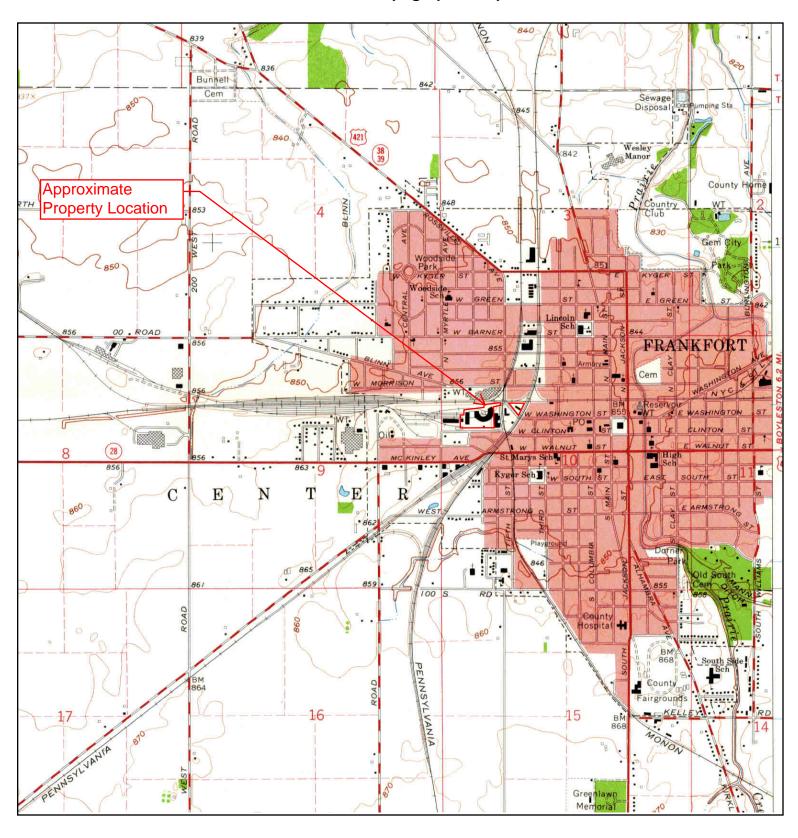
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Historical Topographic Map





TARGET QUAD

NAME: **FRANKFORT**

MAP YEAR: 1961

SERIES: 7.5 SCALE: 1:24000 SITE NAME: Frankfort Roundhouse

ADDRESS: Boomer Street/Clinton Street

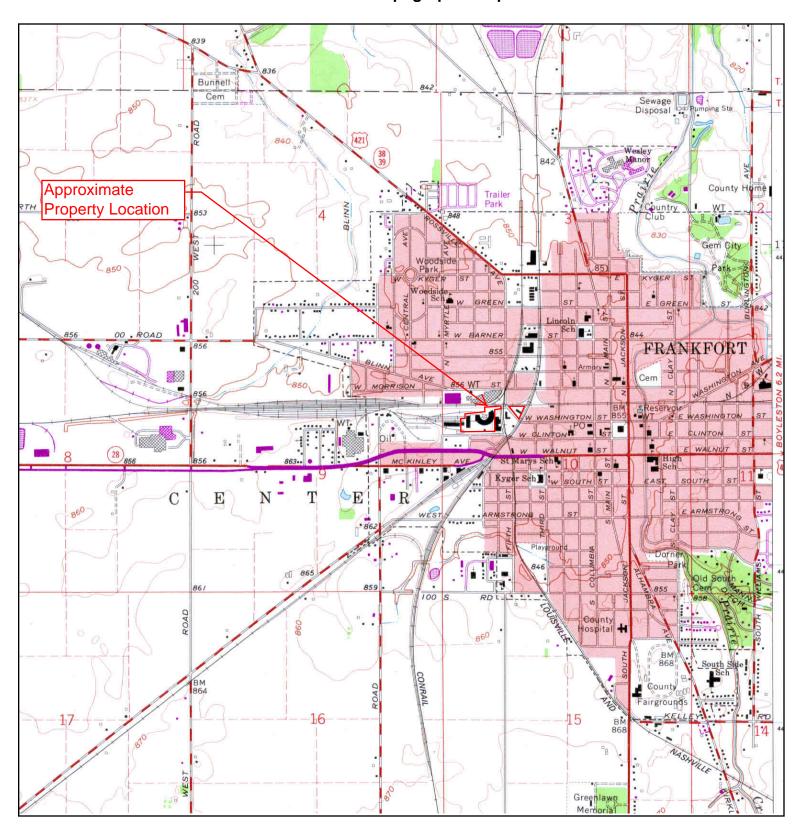
Frankfort, IN 46041 40.2817 / -86.5219 LAT/LONG:

CLIENT: Soil and Materials Engineers Inc

CONTACT: Kelly Kuhn INQUIRY#: 4176082.4

RESEARCH DATE: 01/08/2015

Historical Topographic Map





TARGET QUAD

NAME: FRANKFORT

MAP YEAR: 1980

PHOTOREVISED FROM: 1961

SERIES: 7.5 SCALE: 1:24000 SITE NAME: Frankfort Roundhouse

ADDRESS: Boomer Street/Clinton Street

Frankfort, IN 46041

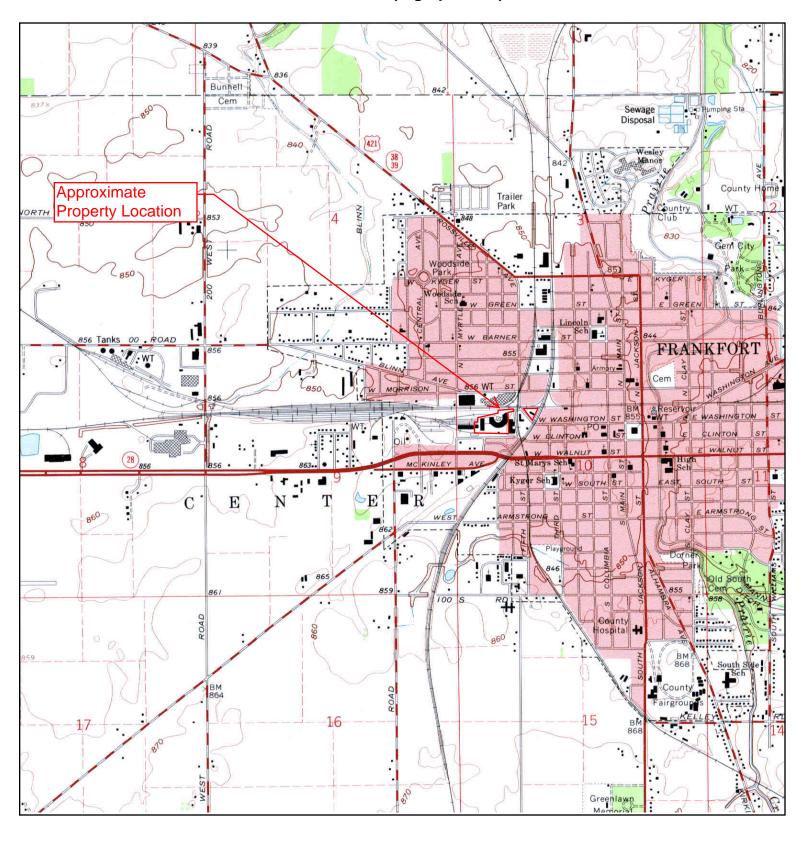
LAT/LONG: 40.2817 / -86.5219

CLIENT: Soil and Materials Engineers Inc

CONTACT: Kelly Kuhn INQUIRY#: 4176082.4

RESEARCH DATE: 01/08/2015

Historical Topographic Map





TARGET QUAD

NAME: FRANKFORT MAP YEAR: 1991 REVISED FROM :1961 SERIES: 7.5 SCALE: 1:24000 SITE NAME: Frankfort Roundhouse

ADDRESS: Boomer Street/Clinton Street Frankfort, IN 46041

LAT/LONG: 40.2817 / -86.5219

CLIENT: Soil and Materials Engineers Inc

CONTACT: Kelly Kuhn
INQUIRY#: 4176082.4
RESEARCH DATE: 01/08/2015

Frankfort Roundhouse

Boomer Street/Clinton Street Frankfort, IN 46041

Inquiry Number: 4176082.3

January 09, 2015

Certified Sanborn® Map Report



Certified Sanborn® Map Report

1/09/15

Site Name: Client Name:

Frankfort Roundhouse Boomer Street/Clinton Street

Frankfort, IN 46041

Soil and Materials Engineers 5835 West 74th St Indianapolis, IN 46278

EDR Inquiry # 4176082.3 Contact: Kelly Kuhn



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Certified Sanborn Results:

Site Name: Frankfort Roundhouse

Address: Boomer Street/Clinton Street

Frankfort, IN 46041

City, State, Zip: Cross Street:

P.O. # NA

Project: Frankfort Roundhouse

Certification # 81F6-425B-9E17

Maps Provided:

1961 18921946 1887

1927

1912

1906

1898



Sanborn® Library search results Certification # 81F6-425B-9E17

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Library of Congress

✓ University Publications of America

▼ EDR Private Collection

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Sanborn Sheet Thumbnails

This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.



1961 Source Sheets





Volume 1, Sheet 16

Volume 1, Sheet 18

Volume 1, Sheet 37

1946 Source Sheets







Volume 1, Sheet 16

Volume 1, Sheet 18

Volume 1, Sheet 37

1927 Source Sheets





Volume 1, Sheet 16

Volume 1, Sheet 18

1912 Source Sheets





Volume 1, Sheet 10

Volume 1, Sheet 19

1906 Source Sheets



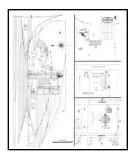


Volume 1, Sheet 9

Volume 1, Sheet 18

1898 Source Sheets





Volume 1, Sheet 8

Volume 1, Sheet 4

1892 Source Sheets

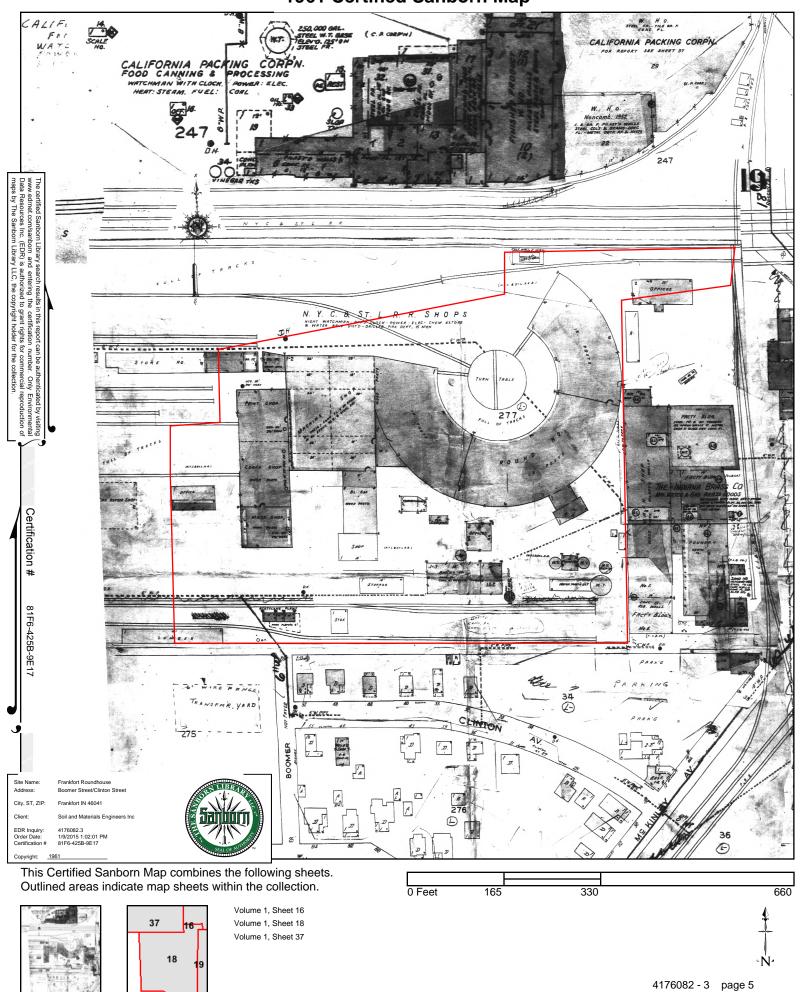


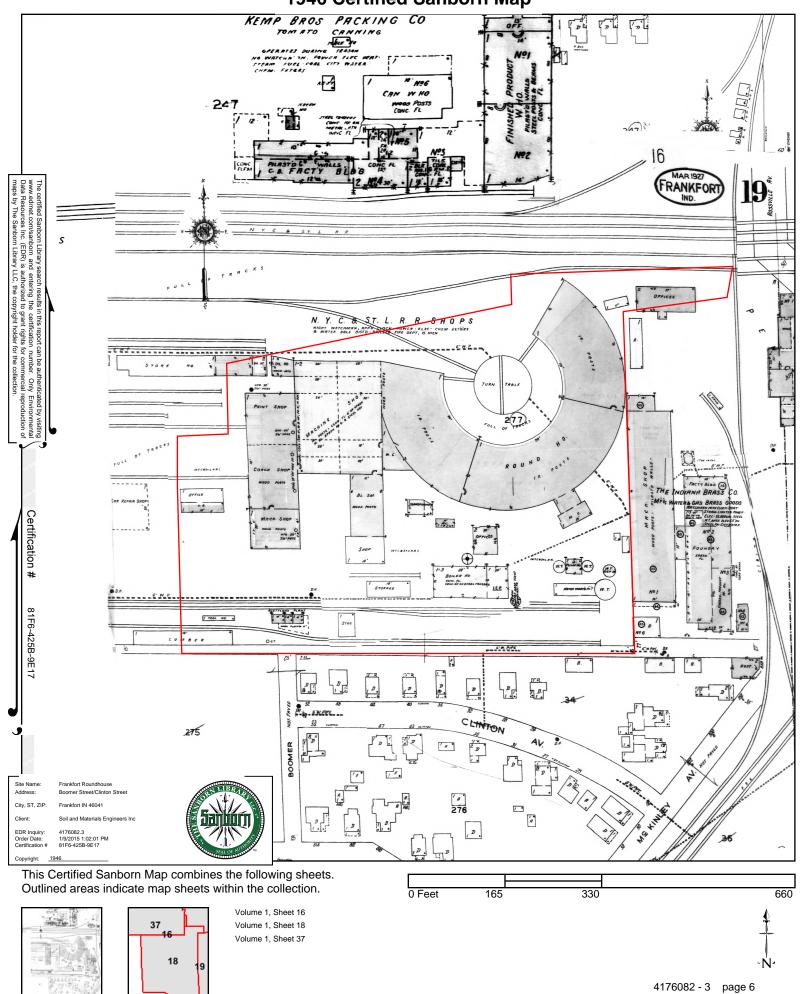
Volume 1, Sheet 6

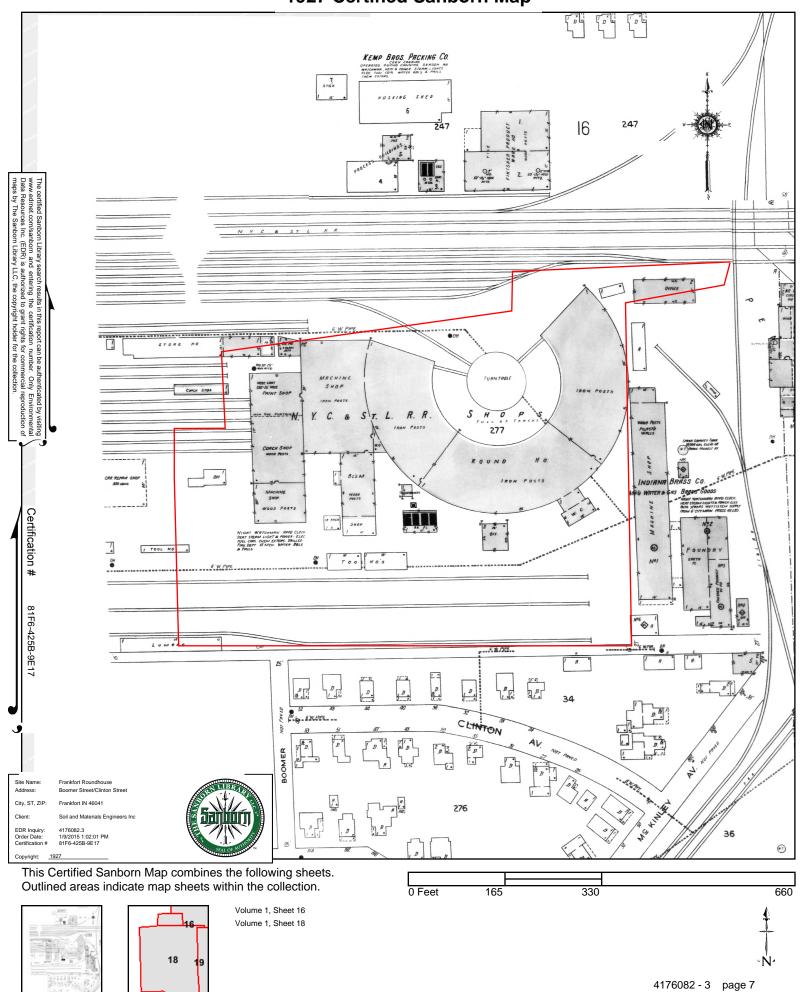
1887 Source Sheets

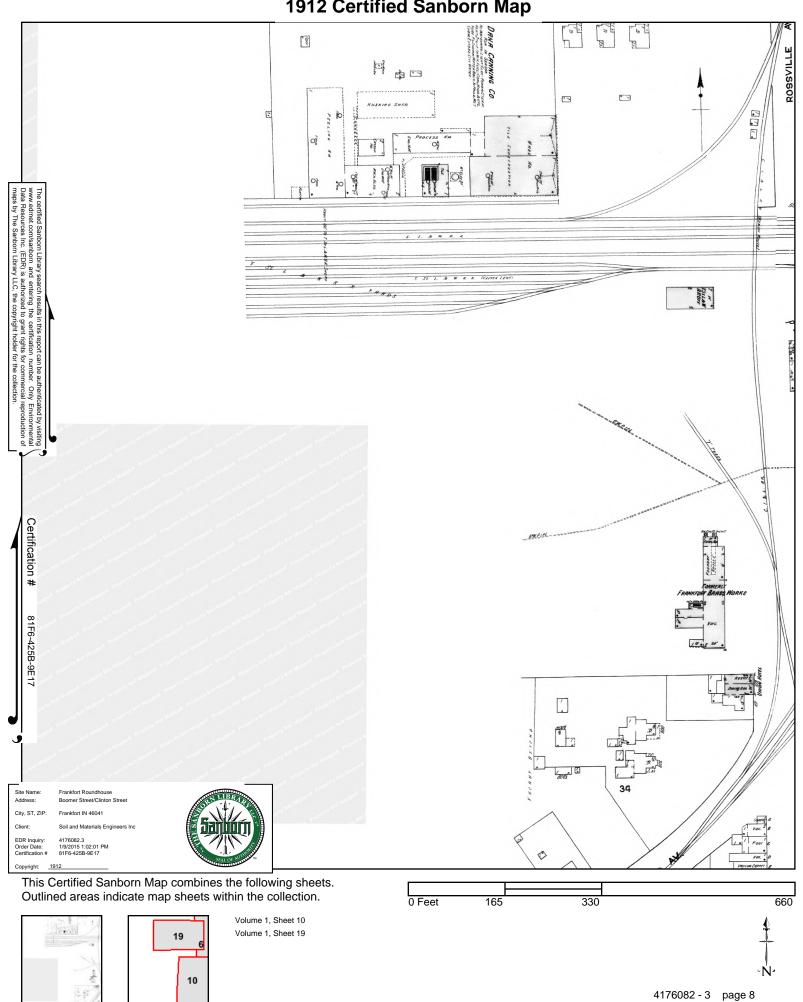


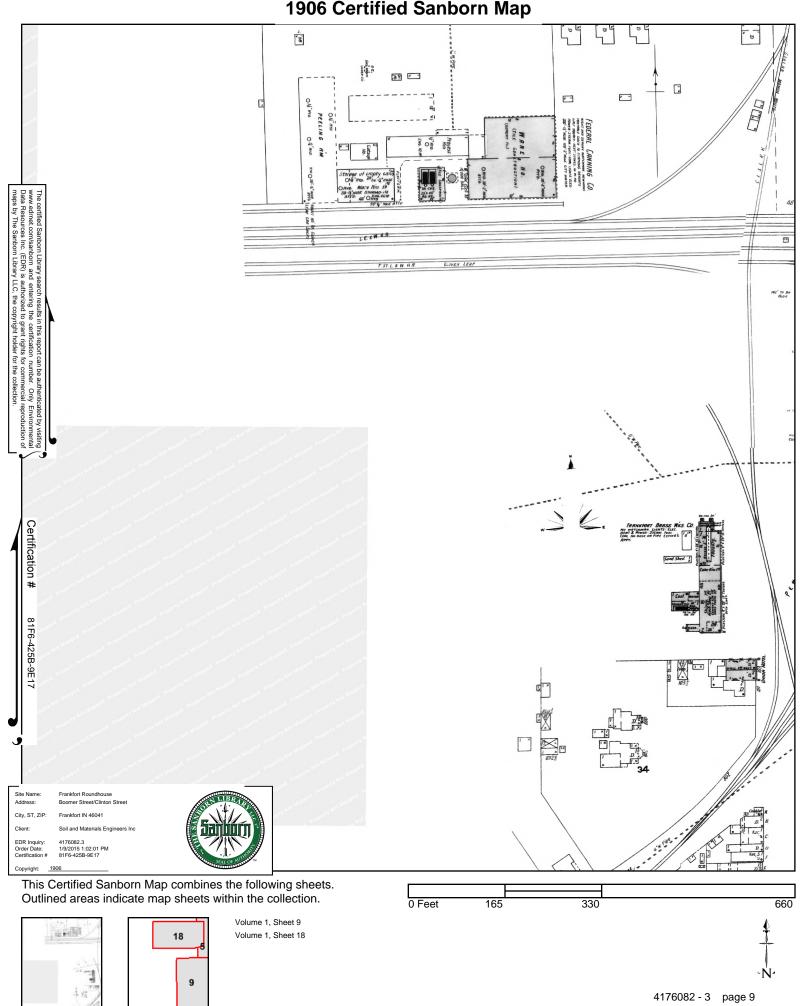
Volume 1, Sheet 6

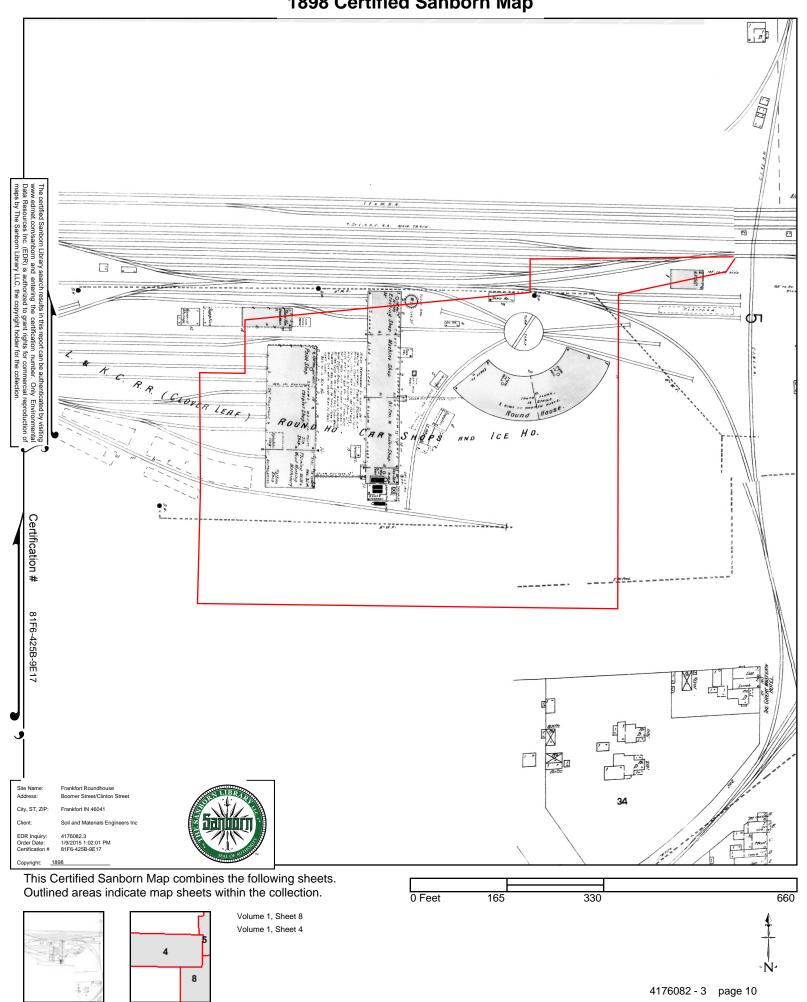


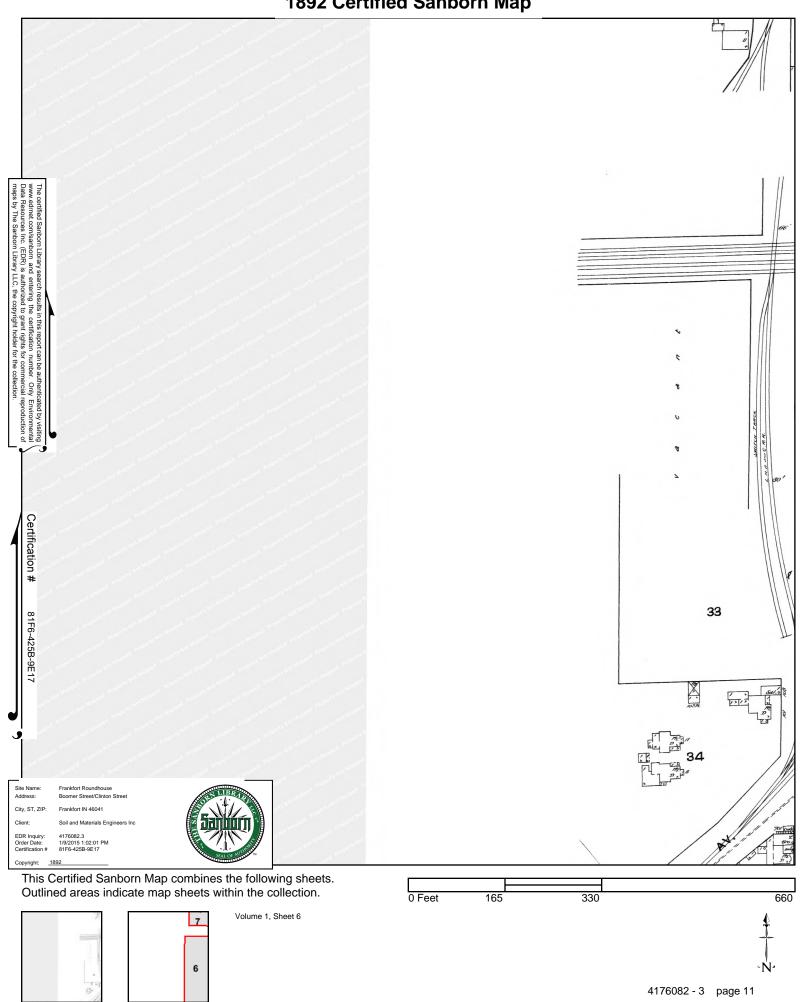


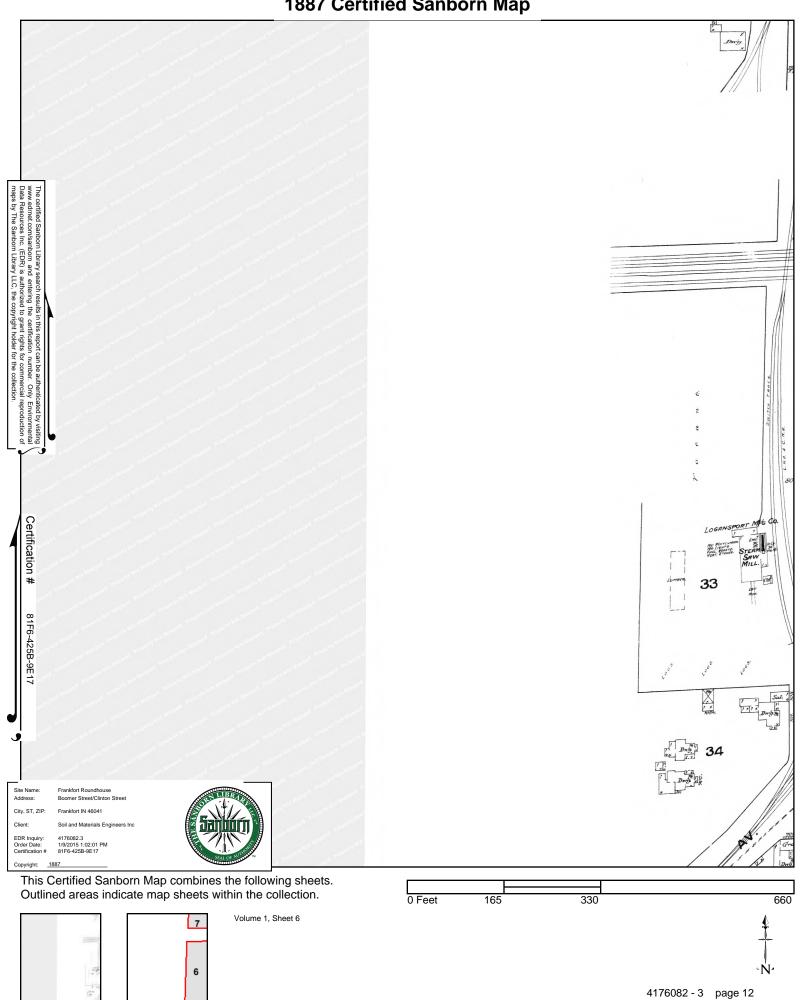












Frankfort Roundhouse

Boomer Street/Clinton Street Frankfort, IN 46041

Inquiry Number: 4176082.3

January 09, 2015

Certified Sanborn® Map Report



Certified Sanborn® Map Report

1/09/15

Site Name: **Client Name:**

Frankfort Roundhouse Boomer Street/Clinton Street

Frankfort, IN 46041

EDR Inquiry # 4176082.3

Soil and Materials Engineers 5835 West 74th St Indianapolis, IN 46278

Contact: Kelly Kuhn



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Certified Sanborn Results:

Site Name: Frankfort Roundhouse

Boomer Street/Clinton Street Address:

City, State, Zip: Frankfort, IN 46041

Cross Street:

P.O. #

Project: Frankfort Roundhouse

Certification # 81F6-425B-9E17

Maps Provided:

1961 1892 1887 1946

1927

1912

1906

1898



Sanborn® Library search results Certification # 81F6-425B-9E17

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1961 Source Sheets



Volume 1, Sheet 2



Volume 1, Sheet 16



Volume 1, Sheet 17



Volume 1, Sheet 18



Volume 1, Sheet 19

1946 Source Sheets



Volume 1, Sheet 2



Volume 1, Sheet 16



Volume 1, Sheet 17



Volume 1, Sheet 18



Volume 1, Sheet 19

1927 Source Sheets



Volume 1, Sheet 2



Volume 1, Sheet 16



Volume 1, Sheet 17



Volume 1, Sheet 18



Volume 1, Sheet 19

1912 Source Sheets



Volume 1, Sheet 6



Volume 1, Sheet 7



Volume 1, Sheet 10



Volume 1, Sheet 11

1906 Source Sheets



Volume 1, Sheet 5



Volume 1, Sheet 6



Volume 1, Sheet 9

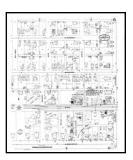


Volume 1, Sheet 10

1898 Source Sheets



Volume 1, Sheet 5



Volume 1, Sheet 6



Volume 1, Sheet 8



Volume 1, Sheet 9

1892 Source Sheets



Volume 1, Sheet 4



Volume 1, Sheet 5



Volume 1, Sheet 6



Volume 1, Sheet 7

1887 Source Sheets



Volume 1, Sheet 4



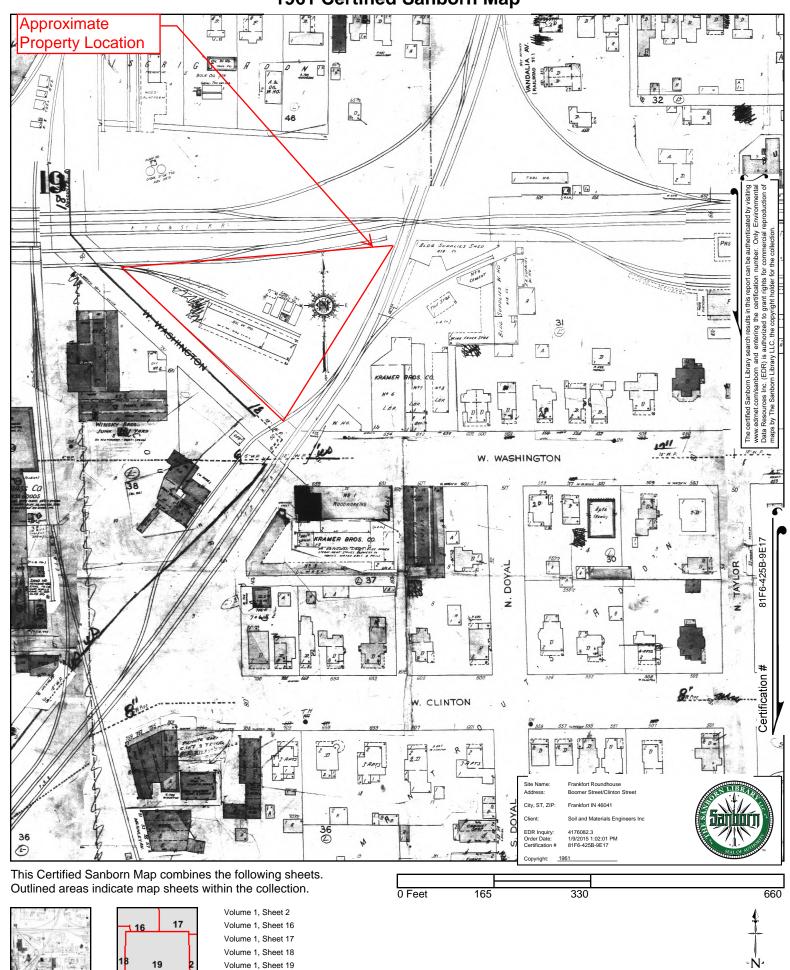
Volume 1, Sheet 5

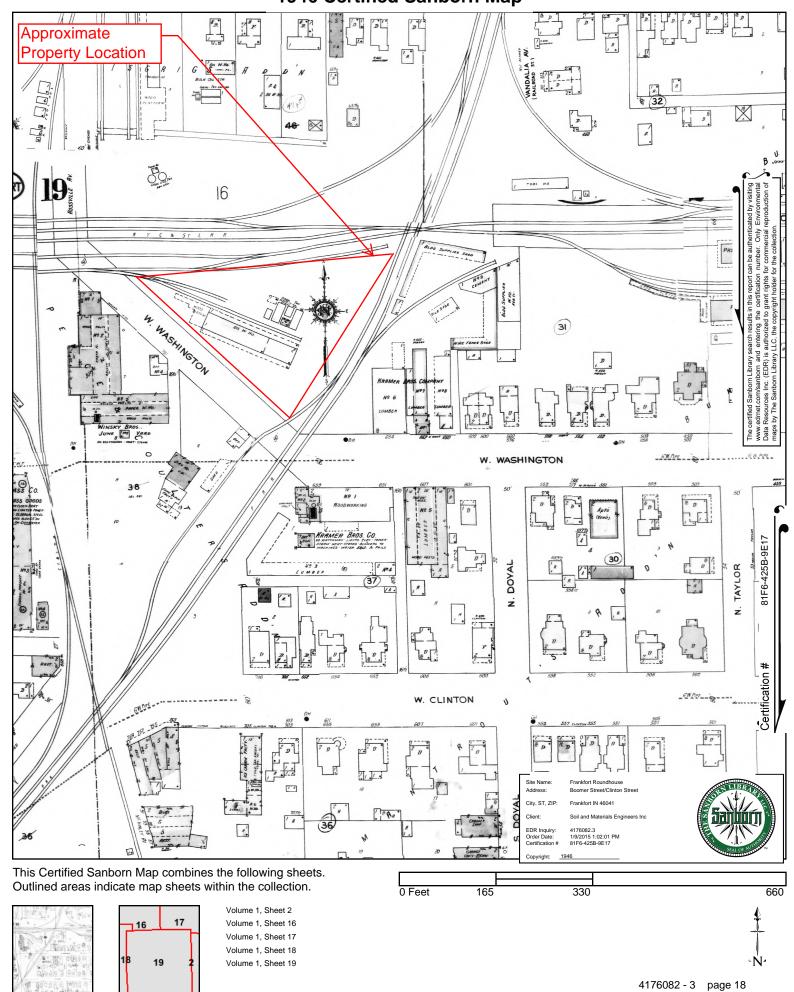


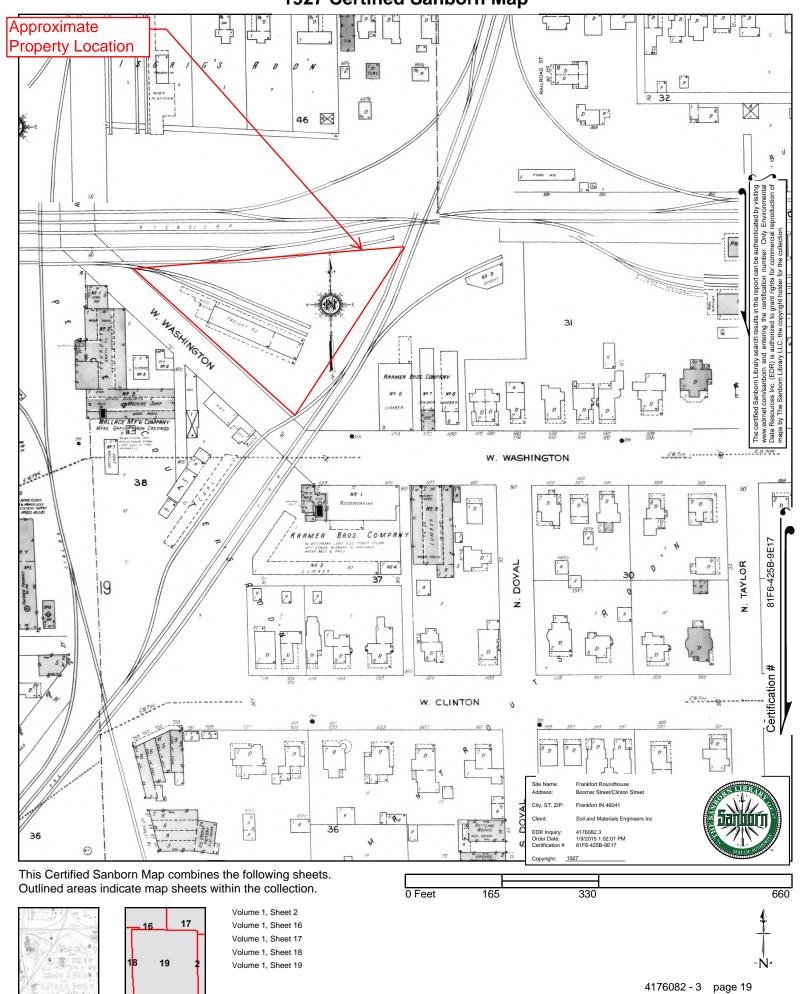
Volume 1, Sheet 6

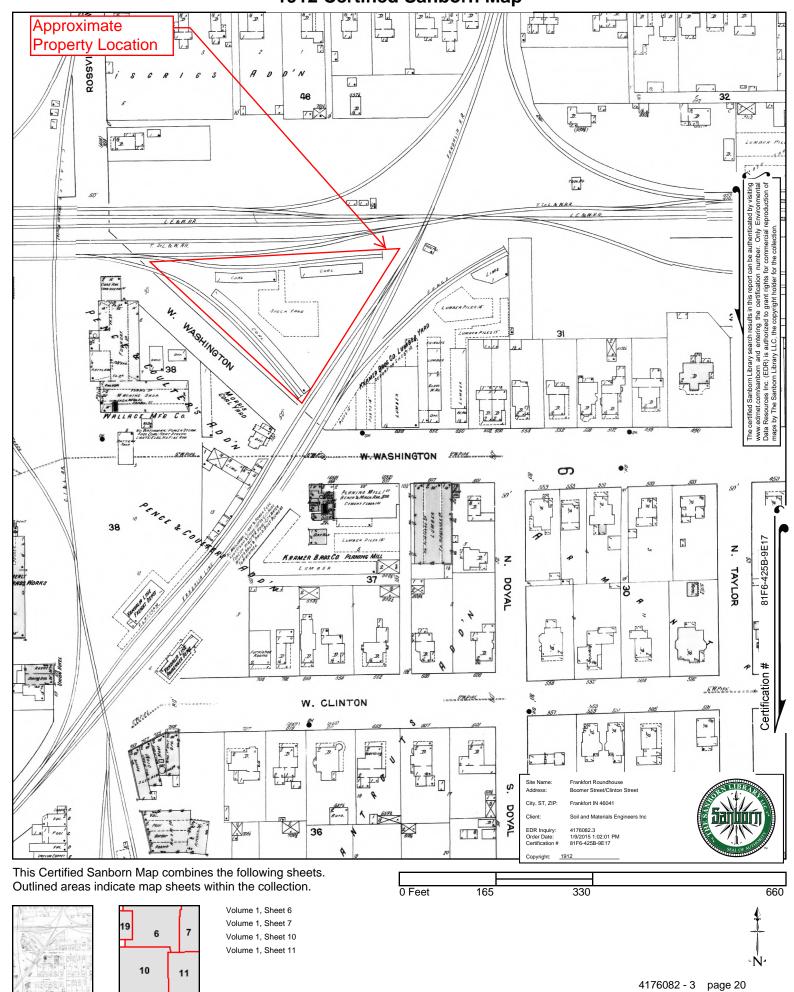


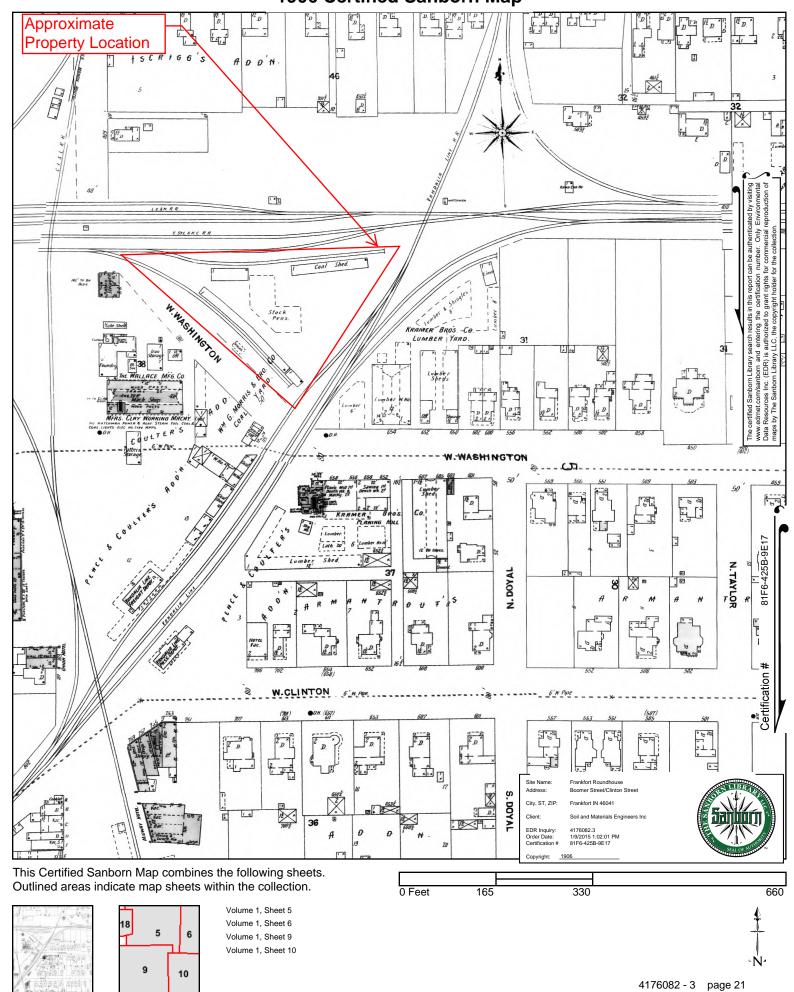
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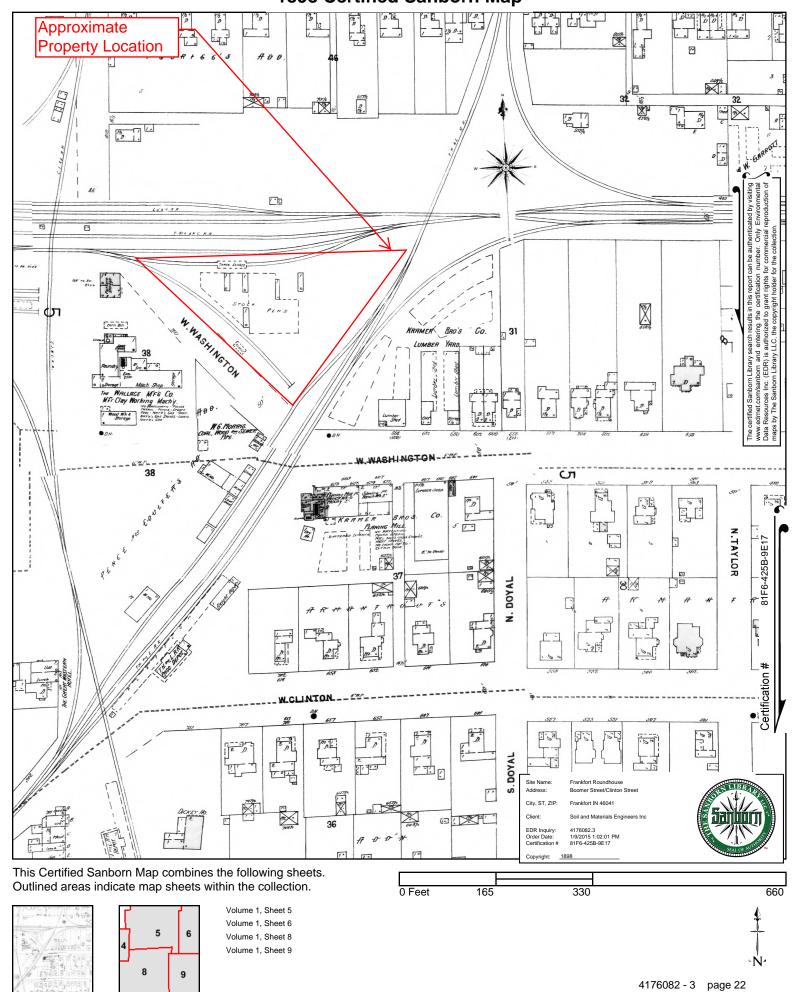


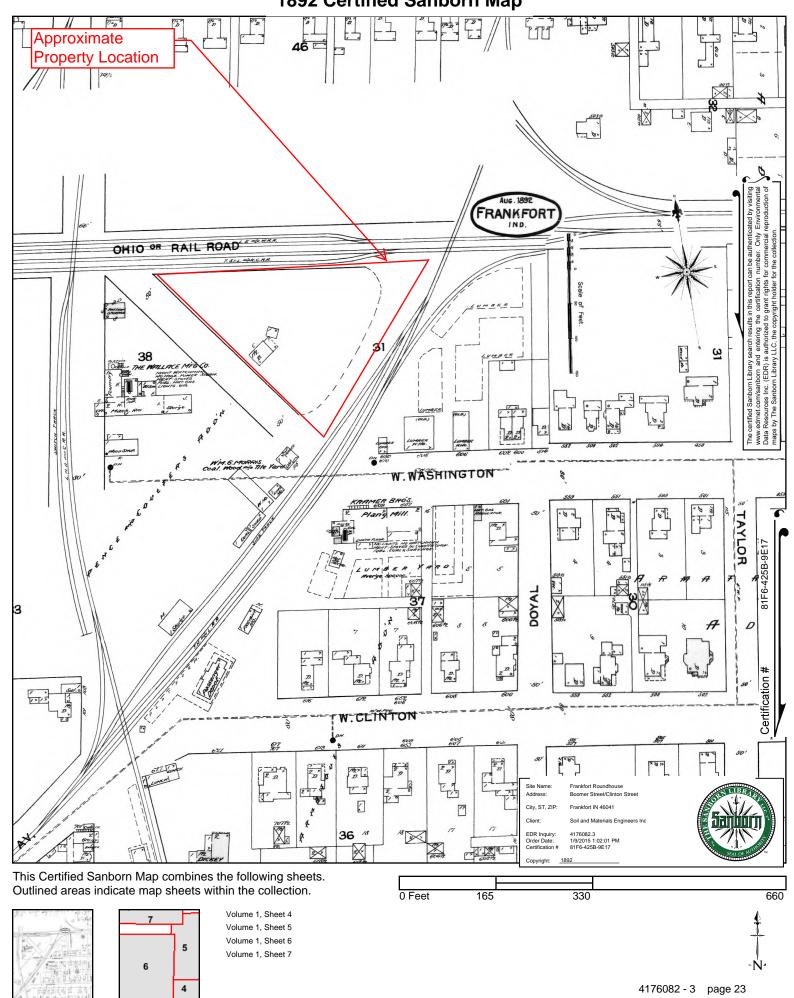


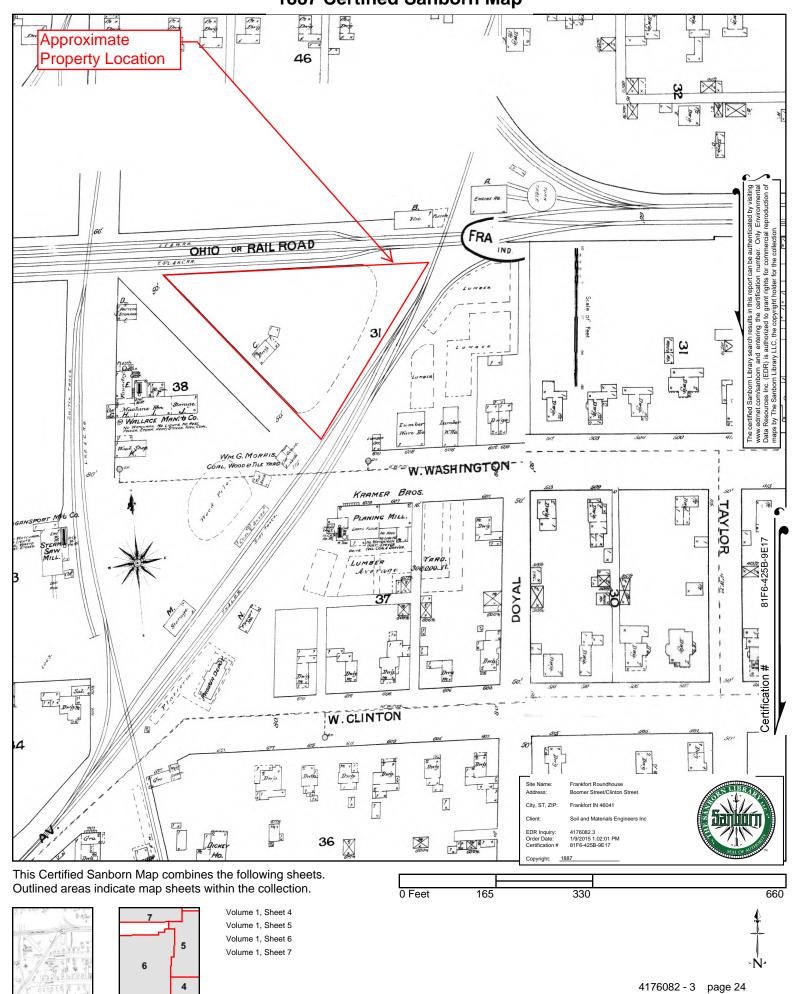












Frankfort Roundhouse

Boomer Street - Clinton Street Frankfort, IN 46041

Inquiry Number: 4176082.5

January 16, 2015

The EDR-City Directory Image Report



TABLE OF CONTENTS

SECTION

Executive Summary

Findings

City Directory Images

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EXECUTIVE SUMMARY

DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Report is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Report includes a search of available city directory data at 5 year intervals.

RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. A check mark indicates where information was identified in the source and provided in this report.

<u>Year</u>	Target Street	Cross Street	<u>Source</u>
2013	$\overline{\checkmark}$		Polk's City Directory
2009			Polk's City Directory
2003			Polk's City Directory
1999	$\overline{\checkmark}$		Polk's City Directory
1995	$\overline{\checkmark}$		Polk's City Directory
1992	$\overline{\checkmark}$		Polk's City Directory
1987	$\overline{\checkmark}$		Polk's City Directory
1982	$\overline{\checkmark}$		Polk's City Directory
1977	$\overline{\checkmark}$		Polk's City Directory
1972	$\overline{\checkmark}$		Polk's City Directory
1967	$\overline{\checkmark}$		Polk's City Directory
1963	$\overline{\checkmark}$		Polk's City Directory
1959	$\overline{\checkmark}$		Polk's City Directory
1937	$\overline{\checkmark}$		Polk's City Directory

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FINDINGS

TARGET PROPERTY STREET

Boomer Street - Clinton Street Frankfort, IN 46041

<u>Year</u>	<u>CD Image</u>	Source	
BOOMER ST			
2013	pg A1	Polk's City Directory	
2009	-	Polk's City Directory	Target and Adjoining not listed in Source
2003	-	Polk's City Directory	Target and Adjoining not listed in Source
1999	-	Polk's City Directory	Target and Adjoining not listed in Source
1995	pg A4	Polk's City Directory	
1995	pg A5	Polk's City Directory	
1992	pg A7	Polk's City Directory	
1987	pg A8	Polk's City Directory	
1982	pg A10	Polk's City Directory	
1977	-	Polk's City Directory	Target and Adjoining not listed in Source
1972	-	Polk's City Directory	Target and Adjoining not listed in Source
1967	-	Polk's City Directory	Target and Adjoining not listed in Source
1963	-	Polk's City Directory	Target and Adjoining not listed in Source
1959	-	Polk's City Directory	Target and Adjoining not listed in Source
1937	-	Polk's City Directory	Target and Adjoining not listed in Source
CLINTON AV	_		
CLINTON AVE	E		
2013	pg A2	Polk's City Directory	
2009	-	Polk's City Directory	Target and Adjoining not listed in Source
2003	-	Polk's City Directory	Target and Adjoining not listed in Source
1999	pg A3	Polk's City Directory	
1995	pg A6	Polk's City Directory	
1992	-	Polk's City Directory	Target and Adjoining not listed in Source
1987	pg A9	Polk's City Directory	
1982	pg A11	Polk's City Directory	
1977	pg A12	Polk's City Directory	
1972	pg A13	Polk's City Directory	
1967	pg A14	Polk's City Directory	
1963	pg A15	Polk's City Directory	

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FINDINGS

<u>Year</u>	<u>CD Image</u>	<u>Source</u>
1959	pg A16	Polk's City Directory
1937	pg A17	Polk's City Directory

4176082-5 Page 3

FINDINGS

CROSS STREETS

No Cross Streets Identified



Cross Street

Source

Polk's City Directory

BOOMER ST 2013

HOUSEHOLDS 7

BOOMER ST (FRANKFORT)-FROM 1035 WALNUT AVE SOUTH

+ MCKINLEY AVE INTERSECTS

E BOONE ST (FRANKFORT)-FROM 501 S EAST ST

Cross Street

<u>Source</u>

Polk's City Directory

CLINTON AVE 2013

HOUSEHOLDS 2

CLINTON AVE (FRANKFORT)-FROM 99 MCKINLEY AVE WEST + BOOMER ST INTERSECTS

Cross Street

Source
Polk's City Directory

CLINTON AVE 1999

CLINTON AVE (FRANKFORT)
ZIP CODE 46041 CAR-RT C005

1 BEST FURNITURE CONNECTION furniture stores 659-4616

7½ Turner Benjamin 654-7094

BUSINESSES 1 HOUSEHOLDS 1

CLINTON DR (FRANKFORT)-FROM 899

Cross Street

<u>Source</u>

Polk's City Directory

BOOMER ST 1995

BUSINESSES 6

HOUSEHOLDS 51

BOOMER ST -FROM 1/4 BLOCK NORTH
OF CLINTON AV SOUTH TO 900
MC KINLEY

- ZIP CODE 46041
- WALNUT ST INTERSECTS

Cross Street

<u>Source</u>

Polk's City Directory

BOOMER ST 1995

BOOMER ST cont'd

201 NBD BANKD drive in br...... 659-3383 BUSINESSES 1

BOONE ST E -FROM 500 S HARRISON

Cross Street

<u>Source</u>

Polk's City Directory

CLINTON AVE 1995

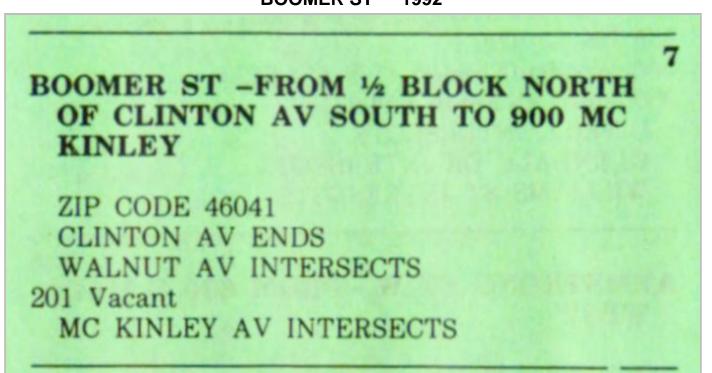
CLINTON AV -FROM 10 MC KINLEY
AV WEST
- ZIP CODE 46041

Cross Street

<u>Source</u>

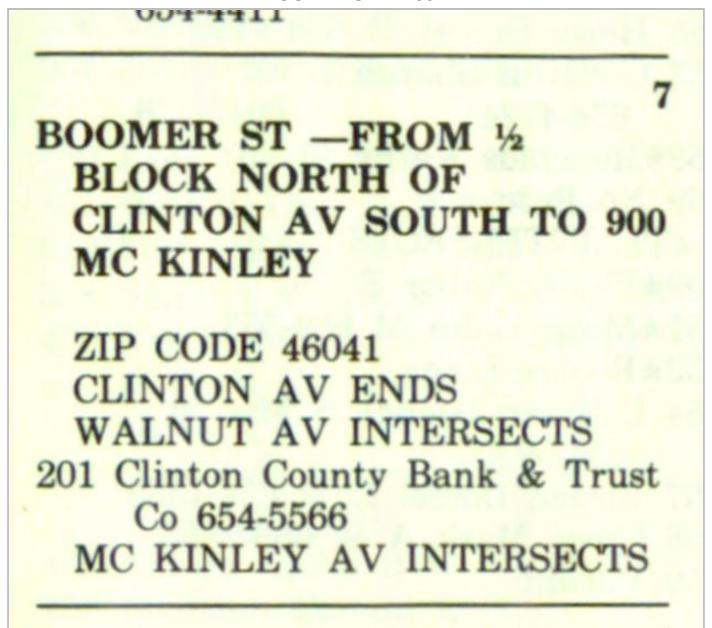
Polk's City Directory

BOOMER ST 1992



Polk's City Directory

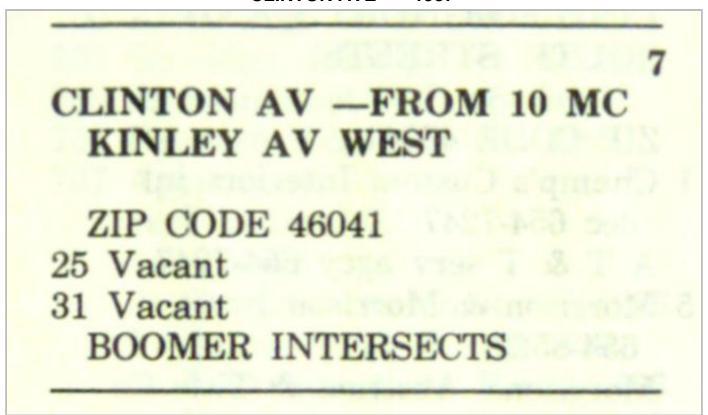
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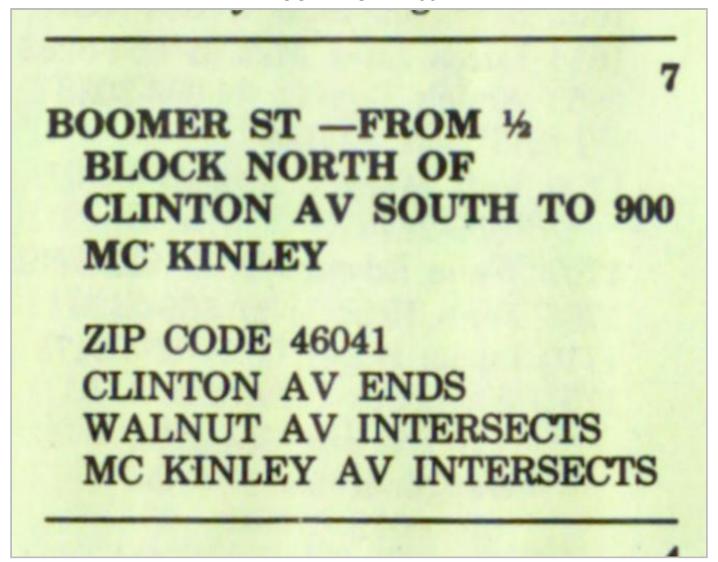
Polk's City Directory

CLINTON AVE 1987



Polk's City Directory

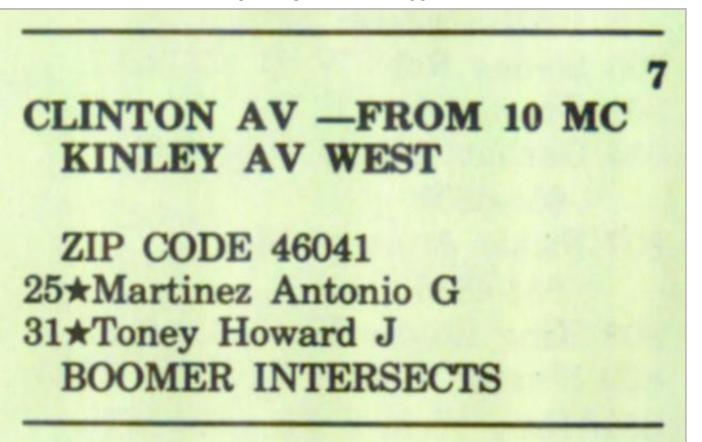
BOOMER ST 1982



Polk's City Directory

CLINTON AVE

1982



<u>Source</u>

Polk's City Directory

CLINTON AVE

1977

CLINTON AV —FROM 10 MC KINLEY AV WEST

ZIP CODE 46041
25 De Witt Gilbert G
31★Perrine Michl R 659-4235
44 Biddle Harvey W 659-1068
52 Shaw Oscar V
BOOMER INTERSECTS

<u>Source</u>

Polk's City Directory

CLINTON AVE 1972

CLINTON AV -FROM 10 MC KINLEY AV WEST ZIP CODE 46041 25 De Witt Gilbert G @ 31 No Return 35 Flood Lester 39 No Return 43 Dain Larry L @ 44 No Return 48 Vacant 49 Williams Repair Shop auto 659-2048 52 Shaw Oscar V @ 55 Lamb Helen @ BOOMER INTERSECTS

10

Target Street

CLINTON AVE 1967

CLINTON AV -FROM 10 MC KINLEY AV WEST ---ZIP CODE 46041 25 DE WITT GILBERT 31 DURBOROW WINFIELD H 32 DAIN LARRY 35 FLOOD LESTER 36 HARLAN MARIE F MRS 654-5152 39 VACANT 40 CLARK WM 654-7625 43 REPPERT LUCY 654-5786 44 DAIN BILLY J 49 WILLIAMS REPAIR SHOP AUTO 659-2048 52 SHOW OSCAR V . 654-4254 55 COTTRELL CHESTER H --- BOOMER INTERSECTS 10

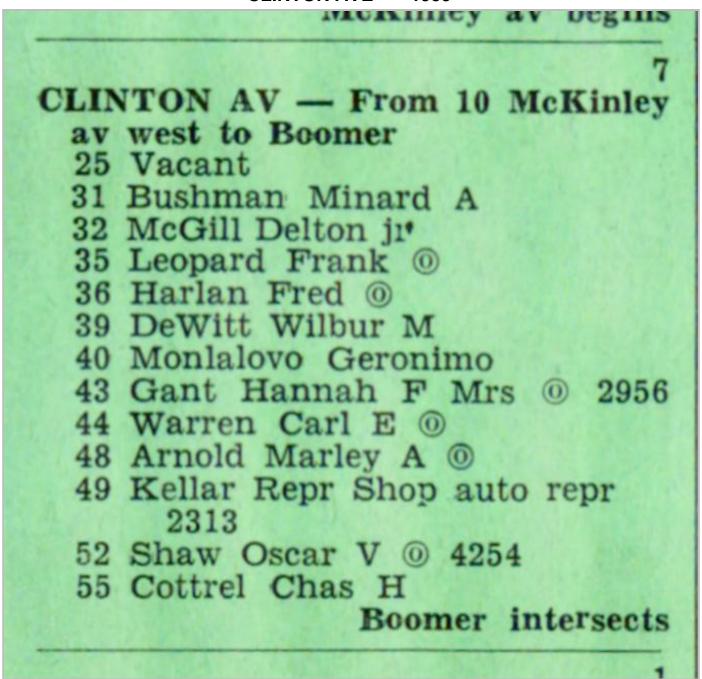
<u>Source</u> Polk's City Directory

CLINTON AVE 1963

7
CLINTON AV-From 10 McKin-
ley av west to Boomer
25 DeWitt Wilbur M
31 Vacant
32 Reppert Lucy E 654-5786
35 Leopard Frank ®
36 Harlan Marie F Mrs ⊚
39 Vacant
40 Montalvo Geronimo
43 Lamm Anna E Mrs
44 Warren Carl E @
48 Arnold Marley A @
49 Williams Repr Shop auto
repr
52 Shaw Oscar V ◎
654-4254
55 Cottrell Chester H ◎
Boomer intersects

Source
Polk's City Directory

CLINTON AVE 1959



Target Street

Cross Street

<u>Source</u>

Polk's City Directory

CLINTON AVE 1937

house) CLINTON AV-From end of Clinton west to Boomer 24 Frey Eben C Bushman Minard Lynch Clyde 28Slaven Arth P 31 Thornton Alma Mrs Hooker Lillie Mrs 35 Reagan Albert V 36 Bushman Wm A @ Sharp Sylvester 39 40 Shaw Oscar B 43 Gant Leo B ® 44 Warren Carl E @ Gant Rolland L @ Arnold Marley 51 Nixon Geo 52Shaw Oliver Fields Anna Mrs ® COLUMBIA N - From Clinton north to Greene, 1 west Main

APPENDIX C

INTERVIEW DOCUMENTATION USER QUESTIONNAIRE

PHASE I ENVIRONMENTAL ASSESSMENT – ALL APPROPRIATE INQUIRY USER QUESTIONNAIRE

In order to qualify for one of the Landowner Liability Protections (LLPs) offered by the Small Business Liability Relief and Brownfields Revitalization Act of 2001 (the Brownfields Amendments to CERCLA), the User of a Phase I Environmental Site Assessment (ESA) must consider the issues discussed below as part of the User's All Appropriate Inquiry (AAI) to identify Recognized Environmental Conditions (RECs) associated with the Property. This information should be provided to the Environmental Professional conducting the Phase I ESA so that a complete report can be issued.

The User may decide not to provide this information to the Environmental Professional; however, the absence of the information will be noted in the Phase I ESA report and may affect assessment conclusions. Under these circumstances, it will be the User's responsibility to determine if the Phase I ESA results, combined with results from the tasks described below, is sufficient to satisfy the requirements of All Appropriate Inquiry as defined by federal statute and regulation.

Instructions:

- 1. Fill in all blanks.
- 2. Indicate "NA" (not applicable), if appropriate.
- 3. Attach additional pages with your signature if additional space is required.

Property Name: TRAUK JUN 7 ROUNDINGUSP
Property Location: Fruk FORT -west Dighway 28
County: Chirton State: Indiana
Questionnaire Completed By/Title: C David Little
Company/ Phone Number: 765-242-3954 / 765-654-4340
On Behalf Of (if applicable): Frankfort midwest Rail Heritage Trust me
Planned Date of Purchase Dease (circle one): Ful rung or march 2015 (Donathy)
Time Period of Site Knowledge: Roundhouse Rebuitt 1924

1.1

1. Reason for Phase I ESA

			must make the reason for the Phase I ESA known to the	
			e, it must be assumed that the reason is to qualify for an LLP to	0
CERG	CLA liability	/. Please indicate the	reason for this Phase I ESA of the Property.	
		Due diligence/liabili	ity protection for purchase of the Property	
		Due diligence/liabili	ity protection for lease of the Property	
		Mortgage loan or re	finance	
		Foreclosure		
		Other; explain		
•	n	Ein-manual Clay	anun Liong and Activity/Usa Limitations	
2.	Recoraea	Environmental Clea	anup Liens and Activity/Use Limitations	
The I	Jser is respo	nsible to ascertain, the	rough personal knowledge and/or a review of reasonably	
ascert	ainable reco	orded land and judicial	Il records, if any environmental liens have been filed on the	
Prope	rty and if an	y activity or use limit	tations (AULs) have been placed on the Property because of	
			ge a title company or other capable professional to undertake the	ne
reviev	w of reasona	bly ascertainable reco	ords on your behalf.	
	1	. 1	and any durated a marriage of land title records in which recorded	
Have	you conduc	ted, or arranged to have use restrictions would	ve conducted, a review of land title records in which recorded	
nens	and activity/	use restrictions would	1 be revealed?	
	П	Yes	No	
				35
	If ves, ple	ase specify who cond	lucted the review: Pour This So	-1
	J J	BUT Will	lucted the review: Pond Thich So a dury HTHE Work Has Been	dire
	If yes, ple	ase specify the types a	and locations of records reviewed:	
	*			
Daga	1	manal knovyladca and	d reviews of title records, are you aware of any environmental	
clean	un liens aga	inst the property that a	are filed or recorded under federal, tribal, state, or local law?	
Cican	up nens ugu	mot the property that t		
		Yes	No	
	If yes, exp	plain briefly:		
	-			

Based on your personal knowledge and reviews of title records, are you aware of any activity and/or
use limitations, such as engineering controls, land use restrictions, or institutional controls, that are in
place at the property and/or have been filed or recorded in a registry under federal, tribal, state, or local
law?

	Yes	No				
If	If yes, identify the land use limitations/restrictions:					
-						

3. Specialized Knowledge and Experience

Any specialized knowledge or experience of the User that could indicate, or create suspicion of, the presence environmental contamination on the Property must be considered as part of the AAI process. Specialized knowledge or experience includes familiarity with historic activities on the Property that could result in environmental impact, personal knowledge or experience that would indicate a risk of environmental impact associated with past Property uses, knowledge of the environmental history of the Property, and any other information that could indicate environmental impact or threat of environmental impact on the Property.

As the User of this environmental site assessment, do you have any specialized knowledge or experience related to the Property or adjoining properties?

Yes		No				
If yes, explain briefly	:	Ac	truity	2	Norfolk 185 Aude	Sou Thera
)				1		

4. Relationship of Purchase Price to Value

Historically, environmentally contaminated properties often have been sold at prices below market value to entice buyers to acquire the property, contamination, and resultant liabilities; therefore, if a property's sale price is significantly below market value without any obvious impairments or reasons for the reduced price, the potential for environmental impact as a cause of the reduced price must be evaluated.

Does the purchase price being paid for this Property reasonably reflect the fair market value of the property?

Yes | No Drutton Based on Apprecisals

Page 3 of 5

valu	e? If "No" the Property may be assumed to be contaminated.	
	□ Yes □ No	
	If yes, explain briefly:	
5.	Commonly Known or Reasonably Ascertainable Information	
ascer conta clear	e you become aware, through conversations, rumor, etc., of any commonly known or reasonably tainable information within the local community that would indicate the Property could be aminated (e.g. types of past uses, presence of storage tanks, use of chemicals, environmental nups, etc.) or that any past event (e.g. fire, chemical spill, accident, etc.) could have resulted in commental impact of the Property or adjoining properties.	
	If yes, explain briefly: o her Than we by The Rankoad	
6.	Proceedings Involving the Property	
	you, the User of this environmental site assessment, based on your knowledge and experient ed to the property, have any knowledge of any of the following:	ce
	Pending, threatened, or past litigation related to hazardous substances or petroleum products in, or arising from the Property?	on
	□ Yes № No	
	If yes, explain briefly:	
	Pending, threatened, or past administrative proceedings related to hazardous substances petroleum products in, on or arising from the Property?	or
	□ Yes □ No	
	If yes, explain briefly:	

If there is a significant negative difference, can you identify the reason for the reduced price versus

regulations or possible liability relating to hazard arising from the Property?	
If yes, explain briefly:	
COAURO ZIALLO	2m
Printed Name Februs 14, 2015 Date	Signature
heurs of Frentful dinent Road Heurtons met me - a 501 c 3	
almost Kais Herry	
not for Rubert	

APPENDIX D

REGULATORY RECORDS DOCUMENTATION

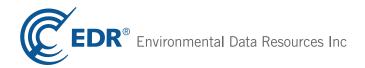
Frankfort Roundhouse

Boomer Street/Clinton Street Frankfort, IN 46041

Inquiry Number: 4176082.2s

January 08, 2015

The EDR Radius Map™ Report with GeoCheck®



6 Armstrong Road, 4th floor Shelton, CT 06484 Toll Free: 800.352.0050 www.edrnet.com

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Thank you for your business.Please contact EDR at 1-800-352-0050 with any questions or comments.

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A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-13) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

BOOMER STREET/CLINTON STREET CLINTON County, IN 46041

COORDINATES

Latitude (North): 40.2817000 - 40° 16' 54.12" Longitude (West): 86.5219000 - 86° 31' 18.84"

Universal Tranverse Mercator: Zone 16 UTM X (Meters): 540643.4 UTM Y (Meters): 4458923.0

Elevation: 860 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 40086-C5 FRANKFORT, IN

Most Recent Revision: 1991

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from: 20120613, 20120610

Source: USDA

TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following records. For more information on this property see page 8 of the attached EDR Radius Map report:

Site	Database(s)	_ EPA ID
FRANKFORT ROUNDHOUSE SITE STATE ROUTE 28 AND BOOMER STREET FRANKFORT, IN 46041	FINDS	N/A
FRANKFORT ROUNDHOUSE SITE STATE ROUTE 28 AND BOOMER STREET FRANKFORT, IN 46041	US BROWNFIELDS	N/A

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list	
NPL	
Proposed NPLNPL LIENS	Proposed National Priority List Sites
NPL LIENS	- Federal Superiund Liens
Federal Delisted NPL site li	st
Delisted NPL	National Priority List Deletions
Federal CERCLIS list	
FEDERAL FACILITY	Federal Facility Site Information listing
Federal CERCLIS NFRAP s	ita List
CERC-NFRAP	CERCLIS No Further Remedial Action Planned
Federal RCRA non-CORRA	CTS TSD facilities list
RCRA-TSDF	RCRA - Treatment, Storage and Disposal
Federal RCRA generators la	ist
_	RCRA - Small Quantity Generators
	ls / engineering controls registries
US ENG CONTROLS	Engineering Controls Sites List Sites with Institutional Controls
	Land Use Control Information System
	•
Federal ERNS list	
ERNS	Emergency Response Notification System
State- and tribal - equivaler	nt CERCLIS
SHWS	List of Hazardous Waste Response Sites Scored Using the Indiana Scoring Model
	or solid waste disposal site lists
	Permitted Solid Waste Facilities
OPEN DUMPS	- Open bump waste sites
State and tribal leaking stor	rage tank lists
INDIAN LUST	Leaking Underground Storage Tanks on Indian Land

State and tribal registered storage tank lists

INDIAN UST...... Underground Storage Tanks on Indian Land FEMA UST..... Underground Storage Tank Listing

State and tribal voluntary cleanup sites

INDIAN VCP..... Voluntary Cleanup Priority Listing

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Landfill / Solid Waste Disposal Sites

ODI..... Open Dump Inventory

DEBRIS REGION 9..... Torres Martinez Reservation Illegal Dump Site Locations

SWTIRE...... Waste Tire Sites Listing

INDIAN ODI...... Report on the Status of Open Dumps on Indian Lands

Local Lists of Hazardous waste / Contaminated Sites

US CDL..... Clandestine Drug Labs

DEL SHWS..... Deleted Commissioner's Bulletin Sites List

CDL...... Clandestine Drug Lab Listing

US HIST CDL..... National Clandestine Laboratory Register

Local Land Records

LIENS 2..... CERCLA Lien Information

Records of Emergency Release Reports

HMIRS..... Hazardous Materials Information Reporting System

SPILLS..... Spills Incidents

SPILLS 80 data from FirstSearch SPILLS 90 SPILLS 90 data from FirstSearch

Other Ascertainable Records

CONSENT..... Superfund (CERCLA) Consent Decrees

TRIS...... Toxic Chemical Release Inventory System

TSCA..... Toxic Substances Control Act

Act)/TSCA (Toxic Substances Control Act)

HIST FTTS..... FIFRA/TSCA Tracking System Administrative Case Listing

SSTS..... Section 7 Tracking Systems

ICIS..... Integrated Compliance Information System

PADS...... PCB Activity Database System

MLTS....... Material Licensing Tracking System RADINFO...... Radiation Information Database

RAATS...... RCRA Administrative Action Tracking System

BULK...... Registered Bulk Fertilizer and Pesticide Storage Facilities

CFO...... Confined Feeding Operations

AIRS..... Permitted Sources & Emissions Listing

TIER 2...... Tier 2 Facility Listing INDIAN RESERV...... Indian Reservations

SCRD DRYCLEANERS...... State Coalition for Remediation of Drycleaners Listing

US AIRS...... Aerometric Information Retrieval System Facility Subsystem

EPA WATCH LIST..... EPA WATCH LIST

US FIN ASSUR_____ Financial Assurance Information

PCB TRANSFORMER_____PCB Transformer Registration Database

COAL ASH..... Coal Ash Disposal Sites LEAD SMELTERS.... Lead Smelter Sites

PRP...... Potentially Responsible Parties

COAL ASH EPA..... Coal Combustion Residues Surface Impoundments List

OISC...... Office of Indiana State Chemist Database Financial Assurance..... Financial Assurance Information Listing

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR US Hist Cleaners...... EDR Exclusive Historic Dry Cleaners

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.

Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in bold italics are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

STANDARD ENVIRONMENTAL RECORDS

Federal CERCLIS list

CERCLIS: The Comprehensive Environmental Response, Compensation and Liability Information System contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

A review of the CERCLIS list, as provided by EDR, and dated 10/25/2013 has revealed that there are 2 CERCLIS sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
INDIANA BRASS INCORPORATED	800 W CLINTON ST	ESE 0 - 1/8 (0.057 mi.)	B7	16
INGRAM RICHARDSON COMPANY	WALNUT AVE SR 28 & S PR	WSW 1/4 - 1/2 (0.333 mi.)	45	97

Federal RCRA CORRACTS facilities list

CORRACTS: CORRACTS is a list of handlers with RCRA Corrective Action Activity. This report shows which nationally-defined corrective action core events have occurred for every handler that has had corrective action activity.

A review of the CORRACTS list, as provided by EDR, and dated 06/10/2014 has revealed that there are 3 CORRACTS sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
INDIANA BRASS INCORPORATED	800 W CLINTON ST	ESE 0 - 1/8 (0.057 mi.)	B7	16
INGRAM RICHARDSON COMPANY	WALNUT AVE SR 28 & S PR	WSW 1/4 - 1/2 (0.333 mi.)	45	97
BROCK GRAIN SYSTEMS A DIV OF C	1750 W SR 28	WSW 1/2 - 1 (0.704 mi.)	60	121

Federal RCRA generators list

RCRA-LQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

A review of the RCRA-LQG list, as provided by EDR, and dated 06/10/2014 has revealed that there is 1 RCRA-LQG site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CVS PHARMACY #6667	460 WEST WALNUT STREET	ESE 1/8 - 1/4 (0.184 mi.)	28	41

RCRA-CESQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

A review of the RCRA-CESQG list, as provided by EDR, and dated 06/10/2014 has revealed that there is 1 RCRA-CESQG site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
AMERICAN BODY SHOP	605 W JEFFERSON ST	NE 1/8 - 1/4 (0.140 mi.)	G21	35

State and tribal leaking storage tank lists

LUST: Lust List.

A review of the LUST list, as provided by EDR, and dated 11/01/2014 has revealed that there are 11 LUST sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
PETRO PLUS FOOD MART VI Description: NFA-Unconditional Closure Description: Discontinued (active)	852 MCKINLEY AVE	S 0 - 1/8 (0.105 mi.)	C14	31
BULK #2725 Description: NFA-Unconditional Closure	852 MCKINNLEY AVE	S 0 - 1/8 (0.105 mi.)	C15	32
FORMER BALDWIN-SALMON Description: NFA-Unconditional Closure	601 WALNUT ST	SE 1/8 - 1/4 (0.156 mi.)	H25	40
THE KAY COMPANY, INC. Description: Discontinued (active)	509 W. BARNER ST.	NE 1/4 - 1/2 (0.265 mi.)	39	90
Lower Elevation	Address	Direction / Distance	Map ID	Page
JOHN AKARD Description: Discontinued (active)	253 N COLUMBIA	E 1/4 - 1/2 (0.265 mi.)	40	91
ADMIRAL PETROLEUM #159 Description: Active	253 W WALNUT	ESE 1/4 - 1/2 (0.284 mi.)	L42	94
PERSONAL FINANCE SITE Description: Discontinued (active)	SR 28 & COLUMBIA ST	ESE 1/4 - 1/2 (0.326 mi.)	L43	95
BLOOMS BROOMS Description: Discontinued (active)	401 N JACKSON	ENE 1/4 - 1/2 (0.407 mi.)	N49	109
IRVING MATERIALS INC FRANKFORT Description: Discontinued (active)	SR 28 W	ESE 1/4 - 1/2 (0.442 mi.)	P52	114
EGELHOFF CHEVROLET INC Description: Active	300 E WASHINGTON ST	E 1/4 - 1/2 (0.456 mi.)	O54	117
KEENEYS AMOCO Description: NFA-Conditional Closure	201 S JACKSON	ESE 1/4 - 1/2 (0.465 mi.)	P56	118

State and tribal registered storage tank lists

UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the Department of Environmental Management's Indiana Registered Underground Storage Tanks list.

A review of the UST list, as provided by EDR, and dated 11/01/2014 has revealed that there are 7 UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
FRANKFORT BULK PLANT	700 W WASHINGTON	E 0 - 1/8 (0.003 mi.)	5	15
DE FORD CHRYSLER	1000 W WALNUT AVE	S 0 - 1/8 (0.058 mi.)	C10	24
EXIDE CORP FRANKFORT	901 W MORRISON ST	NNE 0 - 1/8 (0.071 mi.)	D12	30
PETRO PLUS FOOD MART VI	852 MCKINLEY AVE	S 0 - 1/8 (0.105 mi.)	C14	31
BULK #2725	852 MCKINNLEY AVE	S 0 - 1/8 (0.105 mi.)	C15	32
IMPACT COOPERATIVE, INC.	1013 MCKINLEY AVE	SSW 1/8 - 1/4 (0.128 mi.)	E18	34
Lower Elevation	Address	Direction / Distance	Map ID	Page
AT&T INDIANA TELEPHONE	257 W CLINTON	E 1/8 - 1/4 (0.234 mi.)	J32	50

State and tribal institutional control / engineering control registries

AUL: A listing of Comfort/Site Status Letter sites that have been issued with Institutional Controls.

A review of the AUL list, as provided by EDR, and dated 08/06/2014 has revealed that there is 1 AUL site within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
DOMINOS PIZZA	304 W WALNUT ST	ESE 1/4 - 1/2 (0.267 mi.)	I41	93

State and tribal voluntary cleanup sites

VCP: Department of Environmental Management's current list of Voluntary Remediation Program sites that are no longer confidential.

A review of the VCP list, as provided by EDR, and dated 08/22/2014 has revealed that there are 3 VCP sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
${\it STEVENSON~BROTHERS~DRY~CLEANER}$	359 WEST WALNUT ST.	ESE 1/8 - 1/4 (0.240 mi.)	<i>1</i> 36	63
Lower Elevation	Address	Direction / Distance	Map ID	Page
Lower Elevation STEVENSON BROTHERS CLEANERS	Address 9 WEST MORRISON STREET		Map ID <i>M44</i>	Page 96

State and tribal Brownfields sites

BROWNFIELDS: >A brownfield site is an industrial or commercial property that is abandoned, inactive, or underutilized, on which expansion or redevelopment is complicated due to the actual or perceived environmental contamination.

A review of the BROWNFIELDS list, as provided by EDR, and dated 12/01/2014 has revealed that there are 6 BROWNFIELDS sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
RAILROAD ROUNDHOUSE	W CLINTON DR & SHORT MY	0 - 1/8 (0.000 mi.)	4	14
INDIANA BRASS INCORPORATED	800 W CLINTON ST	ESE 0 - 1/8 (0.057 mi.)	B6	15
DEFORD CHRYSLER	1000 W WALNUT ST	S 0 - 1/8 (0.058 mi.)	C9	24
Lower Elevation	Address	Direction / Distance	Map ID	Page
Lower Elevation DOMINOS PIZZA	Address 304 W WALNUT ST	ESE 1/4 - 1/2 (0.267 mi.)	<u>Map I</u> D <i>141</i>	Page 93

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: The EPA's listing of Brownfields properties from the Cleanups in My Community program, which provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

A review of the US BROWNFIELDS list, as provided by EDR, and dated 09/22/2014 has revealed that there are 6 US BROWNFIELDS sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
FORMER KYGER ELEMENTARY SCHOOL	OL 300 SOUTH THIRD STREET	SE 1/8 - 1/4 (0.231 mi.)	30	46
Lower Elevation	Address	Direction / Distance	Map ID	Page
DAVIS PROPERTY	255 W. WASHINGTON STREE	E E 1/8 - 1/4 (0.239 mi.)	K34	55
MID-STATE PLUMBING SUPPLY - IR	251 W. WASHINGTON STREE	E E 1/8 - 1/4 (0.241 mi.)	K38	64
57 NORTH JACKSON STREET	57 NORTH JACKSON STREE	TE 1/4 - 1/2 (0.426 mi.)	O50	109
FORMER WATERWORKS PROPERTY	260 EAST WASHINGTON STI	R E 1/4 - 1/2 (0.433 mi.)	O51	111
CREEKSIDE PROPERTY	260 EAST CLINTON STREET		53	114

Local Lists of Landfill / Solid Waste Disposal Sites

SWRCY: A listing of recycling facilities located in the state of Indiana.

A review of the SWRCY list, as provided by EDR, and dated 05/01/2014 has revealed that there are 4 SWRCY sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
WINSKI BROTHERS, INC.	751 W. WASHINGTON	0 - 1/8 (0.000 mi.)	3	13
ABILITIES SERVICES	950 MCKINLEY AVE.	SSW 0 - 1/8 (0.118 mi.)	E17	34
ADVANCE AUTO PARTS	380 W. WALNUT ST.	ESE 1/8 - 1/4 (0.228 mi.)	129	45
Lower Elevation	Address	Direction / Distance	Map ID	Page
AUTOZONE	356 E. WASHINGTON ST.	E 1/4 - 1/2 (0.495 mi.)	59	120

Other Ascertainable Records

RCRA NonGen / NLR: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

A review of the RCRA NonGen / NLR list, as provided by EDR, and dated 06/10/2014 has revealed that there are 4 RCRA NonGen / NLR sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
INDIANA BRASS INCORPORATED	800 W CLINTON ST	ESE 0 - 1/8 (0.057 mi.)	B7	16
EXIDE CORP	901 W MORRISON ST	NNE 0 - 1/8 (0.071 mi.)	D11	24
STEVENSONS FABRICARE	359 W WALNUT ST	ESE 1/8 - 1/4 (0.240 mi.)	<i>1</i> 35	60
Lower Elevation	Address	Direction / Distance	Map ID	Page
IND BELL TEL CO FRANKFORD 65X	257 W CLINTON ST	E 1/8 - 1/4 (0.234 mi.)	J31	49

MANIFEST:

A review of the MANIFEST list, as provided by EDR, and dated 12/31/2013 has revealed that there are 6 MANIFEST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
INDIANA BRASS INCORPORATED	800 W CLINTON ST	ESE 0 - 1/8 (0.057 mi.)	B6	15
INDIANA BRASS INCORPORATED	800 W CLINTON ST	ESE 0 - 1/8 (0.057 mi.)	B7	16
EXIDE CORP	901 W MORRISON ST	NNE 0 - 1/8 (0.071 mi.)	D11	24
AMERICAN BODY SHOP	605 W JEFFERSON ST	NE 1/8 - 1/4 (0.140 mi.)	G21	35
CVS PHARMACY #6667	460 WEST WALNUT STREET	ESE 1/8 - 1/4 (0.184 mi.)	28	41
STEVENSONS FABRICARE	359 W WALNUT ST	ESE 1/8 - 1/4 (0.240 mi.)	<i>1</i> 35	60

IND WASTE: The listing contains industrial waste site locations in Indiana, provided by personnel of Indiana Department of Environmental Management, Office of Land Quality.

A review of the IND WASTE list, as provided by EDR, and dated 09/04/2013 has revealed that there are 3 IND WASTE sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
AMERICAN BODY SHOP	605 W JEFFERSON ST	NE 1/8 - 1/4 (0.140 mi.)	G21	35
CVS PHARMACY #6667	460 WEST WALNUT STREET	ESE 1/8 - 1/4 (0.184 mi.)	28	41

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
STEVENSONS FABRICARE	359 W WALNUT ST	ESE 1/8 - 1/4 (0.240 mi.)	135	60

DRYCLEANERS: Drycleaner Facility Listing.

A review of the DRYCLEANERS list, as provided by EDR, and dated 09/16/2014 has revealed that there is 1 DRYCLEANERS site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address Address		Map ID	Page
STEVENSON'S FABRIC CARE CTR	359 W WALNUT ST	ESE 1/8 - 1/4 (0.240 mi.)	137	64

SCP: The goals for the State Cleanup Section are to mitigate risk to human health and the environment.

A review of the SCP list, as provided by EDR, and dated 12/01/2014 has revealed that there are 6 SCP sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
STEVENSON BROTHERS DRY CLEANER	359 WEST WALNUT ST.	ESE 1/8 - 1/4 (0.240 mi.)	<i>1</i> 36	63
Lower Elevation	Address	Direction / Distance	Map ID	Page
FRANKFORT PUBLIC LIBRARY	255 WEST WASHINGTON STR	E 1/8 - 1/4 (0.239 mi.)	K33	55
STEVENSON BROTHERS CLEANERS	9 WEST MORRISON STREET	ENE 1/4 - 1/2 (0.331 mi.)	M44	96
INDOT 350 N JACKSON ST	350 N JACKSON ST	E 1/4 - 1/2 (0.399 mi.)	N47	108
BLOOMS BROOMS	401 N JACKSON	ENE 1/4 - 1/2 (0.407 mi.)	N49	109
FRANKFORT BULK TERMINAL	1009 ROSSVILLE RD	NNE 1/4 - 1/2 (0.462 mi.)	55	118

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

A review of the EDR MGP list, as provided by EDR, has revealed that there is 1 EDR MGP site within approximately 1 mile of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
FRANKFORT MGP	JACKSON AND MORRISON	STENE 1/4 - 1/2 (0.367 mi.)	M46	108

EDR US Hist Auto Stat: EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

A review of the EDR US Hist Auto Stat list, as provided by EDR, has revealed that there are 10 EDR US Hist Auto Stat sites within approximately 0.25 miles of the target property.

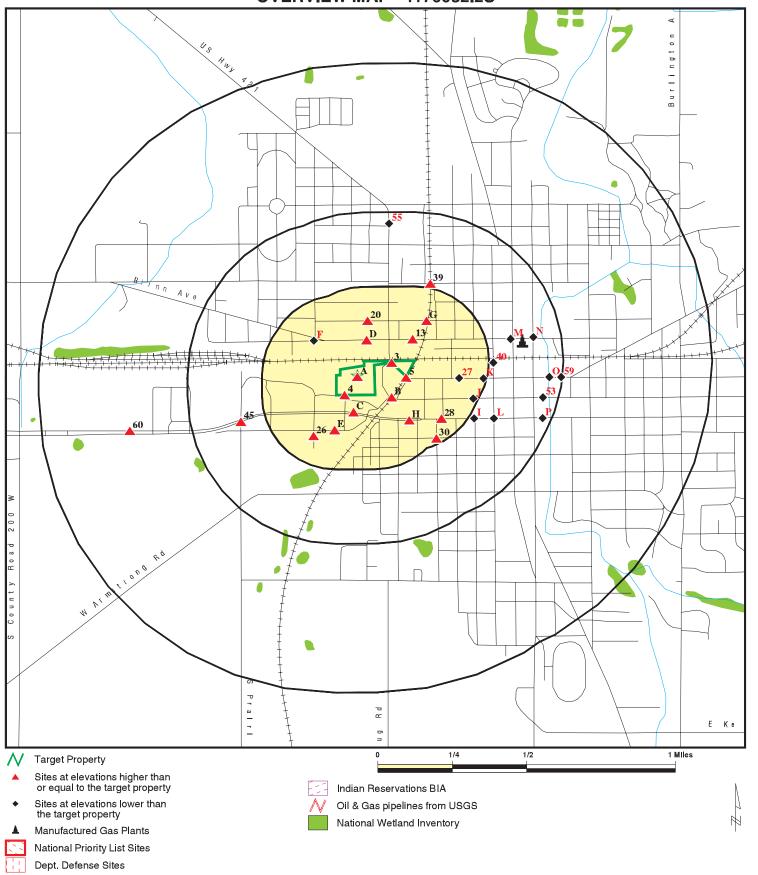
Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page	
Not reported	1002 WALNUT AVE	S 0 - 1/8 (0.058 mi.)	C8	24	
Not reported	650 W MORRISON ST	NE 0 - 1/8 (0.073 mi.)	13	31	
Not reported	854 MCKINLEY AVE	S 0 - 1/8 (0.106 mi.)	C16	33	
Not reported	908 W JEFFERSON ST	N 1/8 - 1/4 (0.136 mi.)	20	35	
Not reported	605 W JEFFERSON ST	NE 1/8 - 1/4 (0.140 mi.)	G22	38	
Not reported	653 W WALNUT ST	SE 1/8 - 1/4 (0.144 mi.)	H23	39	
Not reported	310 SHORT MYRTLE ST	SW 1/8 - 1/4 (0.157 mi.)	26	40	
Lower Elevation	Address	Direction / Distance	Map ID	Page	
Not reported Not reported Not reported	1152 W MORRISON ST 1203 W MORRISON ST 408 W WASHINGTON ST	NW 1/8 - 1/4 (0.131 mi.) NW 1/8 - 1/4 (0.151 mi.) E 1/8 - 1/4 (0.160 mi.)	F19 F24 27	35 40 40	

Due to poor or inadequate address information, the following sites were not mapped. Count: 7 records.

Site Name	Database(s)
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FRANKFORT PUBLIC LIBRARY EXPANSION FRANKFORT PUBLIC LIBRARY EXPANSION WILDCAT CREEK DUMP DARLING-DELAWARE COMPANY, INC. FREEPORT TRANSPORT INC UNR-ROHN FRANKFORT PUBLIC LIBRARY EXPANSION AUL BROWNFIELDS CERC-NFRAP CERC-NFRAP LUST, UST VCP FINDS

OVERVIEW MAP - 4176082.2S

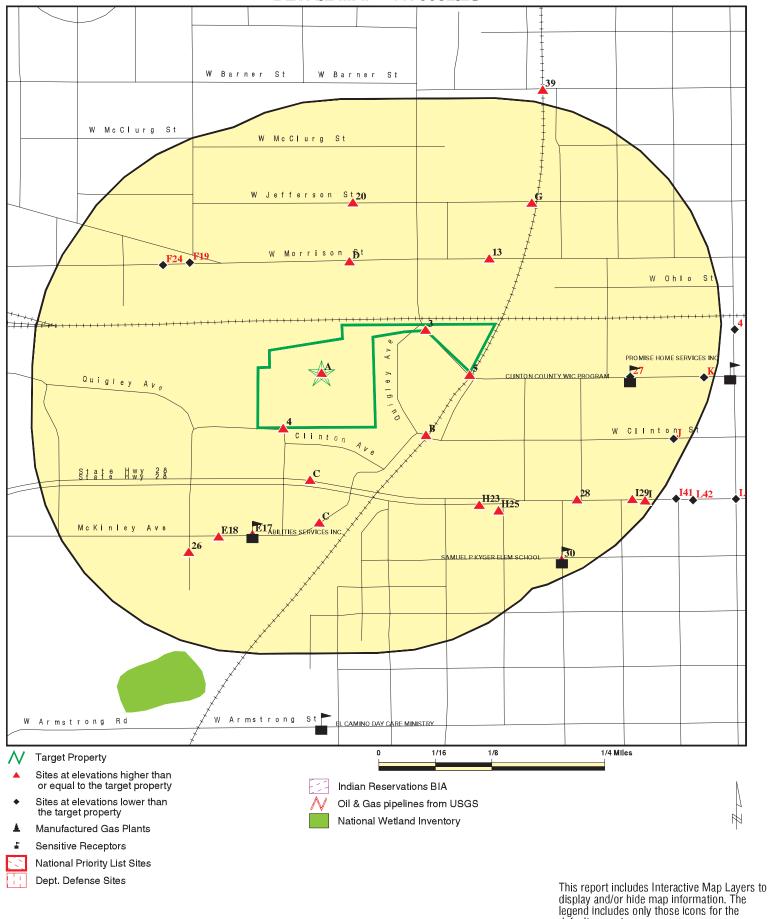


This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Frankfort Roundhouse CLIENT: Soil and Materials Engineers Inc ADDRESS: Boomer Street/Clinton Street CONTACT: Kelly Kuhn

Frankfort IN 46041 LAT/LONG: 40.2817 / 86.5219 INQUIRY #: 4176082.2s DATE: January 08, 2015 11:08 am

DETAIL MAP - 4176082.2S



SITE NAME: Frankfort Roundhouse
ADDRESS: Boomer Street/Clinton Street
Frankfort IN 46041
LAT/LONG: 40.2817 / 86.5219

CLIENT: Soil and Materials Engineers Inc
CONTACT: Kelly Kuhn
INQUIRY #: 4176082.2s
DATE: January 08, 2015 11:08 am

default map view.

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMEN	TAL RECORDS							
Federal NPL site list								
NPL Proposed NPL NPL LIENS	1.000 1.000 TP		0 0 NR	0 0 NR	0 0 NR	0 0 NR	NR NR NR	0 0 0
Federal Delisted NPL sit	te list							
Delisted NPL	1.000		0	0	0	0	NR	0
Federal CERCLIS list								
CERCLIS FEDERAL FACILITY	0.500 0.500		1 0	0 0	1 0	NR NR	NR NR	2 0
Federal CERCLIS NFRA	P site List							
CERC-NFRAP	0.500		0	0	0	NR	NR	0
Federal RCRA CORRAC	TS facilities list	t						
CORRACTS	1.000		1	0	1	1	NR	3
Federal RCRA non-COR		cilities list						
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Federal RCRA generator	rs list							
RCRA-LQG RCRA-SQG RCRA-CESQG	0.250 0.250 0.250		0 0 0	1 0 1	NR NR NR	NR NR NR	NR NR NR	1 0 1
Federal institutional cor engineering controls re								
US ENG CONTROLS US INST CONTROL LUCIS	0.500 0.500 0.500		0 0 0	0 0 0	0 0 0	NR NR NR	NR NR NR	0 0 0
Federal ERNS list								
ERNS	TP		NR	NR	NR	NR	NR	0
State- and tribal - equiva	alent CERCLIS							
SHWS	1.000		0	0	0	0	NR	0
State and tribal landfill a solid waste disposal site								
SWF/LF OPEN DUMPS	0.500 0.500		0 0	0 0	0 0	NR NR	NR NR	0 0
State and tribal leaking	storage tank lis	ts						
LUST INDIAN LUST	0.500 0.500		2 0	1 0	8 0	NR NR	NR NR	11 0
State and tribal registere	ed storage tank	lists						
UST	0.250		5	2	NR	NR	NR	7

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
INDIAN UST FEMA UST	0.250 0.250		0	0 0	NR NR	NR NR	NR NR	0 0
State and tribal institution control / engineering control /		s						
AUL	0.500		0	0	1	NR	NR	1
State and tribal voluntar	y cleanup site	es						
INDIAN VCP	0.500		0	0	0	NR	NR	0
VCP	0.500		0	1	2	NR	NR	3
State and tribal Brownfie			2	0	2	ND	ND	0
BROWNFIELDS	0.500		3	0	3	NR	NR	6
ADDITIONAL ENVIRONMEN	ITAL RECORDS	<u> </u>						
Local Brownfield lists								
US BROWNFIELDS	0.500	1	0	3	3	NR	NR	7
Local Lists of Landfill / S Waste Disposal Sites	Solid		-	-				
ODI DEBRIS REGION 9 SWTIRE SWRCY INDIAN ODI	0.500 0.500 0.500 0.500 0.500		0 0 0 2 0	0 0 0 1 0	0 0 0 1 0	NR NR NR NR NR	NR NR NR NR NR	0 0 0 4 0
Local Lists of Hazardous Contaminated Sites	s waste /							
US CDL DEL SHWS CDL US HIST CDL	TP 1.000 TP TP		NR 0 NR NR	NR 0 NR NR	NR 0 NR NR	NR 0 NR NR	NR NR NR NR	0 0 0 0
Local Land Records								
LIENS 2	TP		NR	NR	NR	NR	NR	0
Records of Emergency F	Release Repo	rts						
HMIRS SPILLS SPILLS 80 SPILLS 90	TP TP TP TP		NR NR NR NR	NR NR NR NR	NR NR NR NR	NR NR NR NR	NR NR NR NR	0 0 0 0
Other Ascertainable Rec	ords							
RCRA NonGen / NLR DOT OPS DOD FUDS CONSENT ROD	0.250 TP 1.000 1.000 1.000 1.000		2 NR 0 0 0	2 NR 0 0 0	NR NR 0 0 0	NR NR 0 0 0	NR NR NR NR NR	4 0 0 0 0

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
		<u> </u>						
UMTRA	0.500		0	0	0	NR	NR	0
US MINES	0.250 TP		0	0 ND	NR	NR	NR	0
TRIS TSCA	TP		NR NR	NR NR	NR NR	NR NR	NR NR	0 0
FTTS	TP		NR	NR NR	NR NR	NR	NR	0
HIST FTTS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	Ö
PADS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	0
FINDS	TP	1	NR	NR	NR	NR	NR	1
RAATS	TP		NR	NR	NR	NR	NR	0
RMP	TP		NR	NR	NR	NR	NR	0
NPDES	TP		NR	NR	NR	NR	NR	0
UIC	TP		NR	NR	NR	NR	NR	0
BULK CFO	0.250 TP		0 ND	0 ND	NR NB	NR	NR NB	0
MANIFEST	0.250		NR 3	NR 3	NR NR	NR NR	NR NR	0 6
IND WASTE	0.250		0	3	NR NR	NR	NR	3
DRYCLEANERS	0.250		0	1	NR	NR	NR	1
AIRS	TP		NR	NR	NR	NR	NR	Ö
TIER 2	TP		NR	NR	NR	NR	NR	Ö
INDIAN RESERV	1.000		0	0	0	0	NR	Ö
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0
US AIRS	TP		NR	NR	NR	NR	NR	0
EPA WATCH LIST	TP		NR	NR	NR	NR	NR	0
US FIN ASSUR	TP		NR	NR	NR	NR	NR	0
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0
COAL ASH	0.500		0	0 ND	0 NR	NR	NR	0
LEAD SMELTERS PRP	TP TP		NR NR	NR NR	NR	NR NR	NR NR	0 0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
OISC	0.250		0	0	NR	NR	NR	0
SCP	0.500		Ö	2	4	NR	NR	6
Financial Assurance	TP		NR	NR	NR	NR	NR	Ö
EDR HIGH RISK HISTORICA	L RECORDS							
EDR Exclusive Records								
EDR MGP	1.000		0	0	1	0	NR	1
EDR WGP EDR US Hist Auto Stat	0.250		3	7	NR	NR	NR NR	10
EDR US Hist Cleaners	0.250		0	0	NR	NR	NR	0
EDR RECOVERED GOVERN	MENT ARCHIV	'ES						
Exclusive Recovered Go	vt Archives							
			NID	ND	ND	ND	NID	0
RGA LF	TP		NR	NR	NR	NR	NR	0

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
RGA HWS	TP		NR	NR	NR	NR	NR	0
RGA LUST	TP		NR	NR	NR	NR	NR	0

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Map ID MAP FINDINGS

Direction Distance

EDR ID Number Elevation Site **EPA ID Number** Database(s)

Α1 FRANKFORT ROUNDHOUSE SITE FINDS 1016375984 **Target** STATE ROUTE 28 AND BOOMER STREET N/A

FRANKFORT, IN 46041 **Property**

Site 1 of 2 in cluster A

Actual:

FINDS:

860 ft.

Registry ID: 110054627098

Environmental Interest/Information System

US EPA Assessment, Cleanup and Redevelopment Exchange System (ACRES)

is an federal online database for Brownfields Grantees to

electronically submit data directly to EPA.

A2 FRANKFORT ROUNDHOUSE SITE US BROWNFIELDS 1015793811 **Target** STATE ROUTE 28 AND BOOMER STREET

Property FRANKFORT, IN 46041

Site 2 of 2 in cluster A

Actual: 860 ft.

US BROWNFIELDS:

Recipient name: R5 TBA (STAG Funded)

Grant type:

FRANKFORT ROUNDHOUSE SITE Property name:

Property #: Not reported

Parcel size:

Property Description: According to the earliest available historical Sanborn Fire Insurance

> Maps, in 1898 the Subject Property was owned by the Toledo, St. Louis and Kansas City Railroad (commonly referred to as the Clover Leaf Railroad) and contained eight structures, including a 12-stall roundhouse and turntable. The Toledo, St. Louis and Kansas City Railroad was reorganized in 1900 and renamed as the Toledo, St. Louis and Western Railroad. At this time the company operated approximately 450 miles of rail line between Toledo and East St. Louis. In 1922, the Toledo, St. Louis, and Western Railroad became part of the New York, Chicago, and St. Louis Railroad (better known as the Nickel Plate Railroad). The roundhouse building was destroyed in a fire in 1924 and was rebuilt in 1926. In 1964, the New York, Chicago, and St. Louis Railroad merged with Norfolk & Western. In 1982, Norfolk & Western merged with the Southern Railway to become the present-day owner, NSRC. The roundhouse building has been vacant since the early 1990s. NSRC owns the 11.4-acres of the Subject Property containing

the roundhouse and associated structures. In 2009, the

Frankfort-Midwest Rail Heritage Trust, a 501(c)(3) non-profit Indiana Corporation formed in 2005 to preserve American railroad equipment, appliances, and structures focusing on the Nickel Plate Railroad Roundhouse, gained possession of the yard office building in Tract C in a non-revenue lease agreement with NSRC. The Frankfort-Midwest

Rail Heritage Trust and the Clinton County Chamber of

Commerce/Economic Development have intentions to restore the Subject Property into a community center, small business complex, and museum focusing on the role of Americas railroads and their employees during

World War II.

Latitude: Not reported Longitude: Not reported HCM label: Not reported Not reported Map scale: Point of reference: Not reported N/A

Direction Distance Elevation

ation Site Database(s) EPA ID Number

FRANKFORT ROUNDHOUSE SITE (Continued)

1015793811

EDR ID Number

Datum: North American Datum of 1983

ACRES property ID: 145705
Start date: Not reported
Completed date: Not reported
Acres cleaned up: Not reported
Cleanup funding: Not reported
Cleanup funding source: Not reported
Assessment funding: 10000

Assessment funding source: US EPA - TBA Funding

Redevelopment funding:
Redev. funding source:
Redev. funding entity name:
Redevelopment start date:
Assessment funding entity:
Cleanup funding entity:

Not reported
Not reported
Not reported
Pea

Grant type: H

Accomplishment type: Phase I Environmental Assessment

Accomplishment count: 1
Cooperative agreement #: n/a

Ownership entity: Not reported
Current owner: Not reported
Did owner change: Not reported

Cleanup required: Yes

Video available: Not reported

Photo available: Yes Institutional controls required: U

IC Category proprietary controls: Not reported IC cat. info. devices: Not reported IC cat. gov. controls: Not reported IC cat. enforcement permit tools: Not reported IC in place date: Not reported IC in place: Not reported State/tribal program date: Not reported State/tribal program ID: Not reported State/tribal NFA date: Not reported Air contaminated: Not reported Air cleaned: Not reported

Asbestos found: Y

Asbestos cleaned:

Controled substance found:

Controled substance cleaned:

Drinking water affected:

Drinking water cleaned:

Not reported

Not reported

Not reported

Not reported

Groundwater affected: Y

Groundwater cleaned: Not reported

Lead contaminant found:

Lead cleaned up:

No media affected:

Unknown media affected:

Other cleaned up:

Not reported

Not reported

Not reported

Other metals found:

Other metals cleaned: Not reported Other contaminants found: Not reported Other contams found description: Not reported

PAHs found:

PAHs cleaned up: Not reported PCBs found: Not reported

Direction Distance Elevation

Site Database(s) EPA ID Number

Not reported

Not reported

FRANKFORT ROUNDHOUSE SITE (Continued)

PCBs cleaned up:

Petro products found:

1015793811

EDR ID Number

Petro products cleaned: Not reported Sediments found: Not reported Sediments cleaned: Not reported Soil affected: Soil cleaned up: Not reported Surface water cleaned: Not reported VOCs found: Not reported VOCs cleaned: Not reported Cleanup other description: Not reported Num. of cleanup and re-dev. jobs: Not reported Past use greenspace acreage: Not reported Past use residential acreage: Not reported Past use commercial acreage: Not reported Past use industrial acreage: Not reported Not reported Future use greenspace acreage: Future use residential acreage: Not reported Future use commercial acreage: Not reported Future use industrial acreage: Not reported Greenspace acreage and type: Not reported Superfund Fed. landowner flag: Not reported Arsenic cleaned up: Not reported Cadmium cleaned up: Not reported Chromium cleaned up: Not reported Not reported Copper cleaned up: Iron cleaned up: Not reported mercury cleaned up: Not reported nickel cleaned up: Not reported No clean up: Not reported Pesticides cleaned up: Not reported Selenium cleaned up: Not reported Not reported SVOCs cleaned up: Unknown clean up: Not reported Not reported Arsenic contaminant found: Cadmium contaminant found: Not reported Chromium contaminant found: Not reported Copper contaminant found: Not reported Iron contaminant found: Not reported Mercury contaminant found: Not reported Not reported Nickel contaminant found: Not reported No contaminant found: Pesticides contaminant found: Not reported Not reported Selenium contaminant found: Not reported SVOCs contaminant found: Unknown contaminant found: Not reported Not reported Future Use: Multistory Media affected Bluiding Material: Not reported Media affected indoor air: Not reported Building material media cleaned up: Not reported Indoor air media cleaned up: Not reported Unknown media cleaned up: Not reported Not reported Past Use: Multistory

Recipient name: R5 TBA (STAG Funded)

Grant type: TBA

Property name: FRANKFORT ROUNDHOUSE SITE

Direction Distance

Elevation Site Database(s) EPA ID Number

FRANKFORT ROUNDHOUSE SITE (Continued)

1015793811

EDR ID Number

Property #: Not reported

Parcel size: 12

Property Description: According to the earliest available historical Sanborn Fire Insurance
Maps, in 1898 the Subject Property was owned by the Toledo, St. Louis

and Kansas City Railroad (commonly referred to as the Clover Leaf Railroad) and contained eight structures, including a 12-stall roundhouse and turntable. The Toledo, St. Louis and Kansas City Railroad was reorganized in 1900 and renamed as the Toledo, St. Louis and Western Railroad. At this time the company operated approximately 450 miles of rail line between Toledo and East St. Louis. In 1922, the Toledo, St. Louis, and Western Railroad became part of the New York, Chicago, and St. Louis Railroad (better known as the Nickel Plate Railroad). The roundhouse building was destroyed in a fire in

Plate Railroad). The roundhouse building was destroyed in a fire in 1924 and was rebuilt in 1926. In 1964, the New York, Chicago, and St. Louis Railroad merged with Norfolk & Western. In 1982, Norfolk & Western merged with the Southern Railway to become the present-day owner, NSRC. The roundhouse building has been vacant since the early 1990s. NSRC owns the 11.4-acres of the Subject Property containing

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Rail Heritage Trust and the Clinton County Chamber of

Commerce/Economic Development have intentions to restore the Subject Property into a community center, small business complex, and museum focusing on the role of Americas railroads and their employees during

World War II.
Not reported

Latitude: Not reported Longitude: Not reported HCM label: Not reported Map scale: Not reported Point of reference: Not reported

Datum: North American Datum of 1983

ACRES property ID: 145705
Start date: Not reported
Completed date: Not reported
Acres cleaned up: Not reported
Cleanup funding: Not reported
Cleanup funding source: Not reported
Assessment funding: 90000

Assessment funding source: US EPA - TBA Funding

Redevelopment funding:
Redev. funding source:
Redev. funding source:
Not reported
Not reported
Redevelopment start date:
Assessment funding entity:
EPA

Cleanup funding entity: Not reported

Grant type:

Accomplishment type: Phase II Environmental Assessment

Accomplishment count: 0

Cooperative agreement #: n/a

Ownership entity: Not reported Current owner: Not reported Did owner change: Not reported Cleanup required: Yes

Direction Distance Elevation

Site Database(s) **EPA ID Number**

FRANKFORT ROUNDHOUSE SITE (Continued)

1015793811

EDR ID Number

Video available: Not reported Photo available: Yes Institutional controls required: U

IC Category proprietary controls: Not reported IC cat. info. devices: Not reported IC cat. gov. controls: Not reported IC cat. enforcement permit tools: Not reported Not reported IC in place date: IC in place: Not reported State/tribal program date: Not reported Not reported State/tribal program ID: State/tribal NFA date: Not reported Air contaminated: Not reported Air cleaned: Not reported

Asbestos found:

Asbestos cleaned: Not reported Not reported Controled substance found: Controled substance cleaned: Not reported Drinking water affected: Not reported Drinking water cleaned: Not reported

Groundwater affected:

Groundwater cleaned: Not reported

Lead contaminant found:

Lead cleaned up: Not reported No media affected: Not reported Unknown media affected: Not reported Other cleaned up: Not reported

Other metals found:

Other metals cleaned: Not reported Other contaminants found: Not reported Other contams found description: Not reported

PAHs found:

PAHs cleaned up: Not reported PCBs found: Not reported Not reported PCBs cleaned up: Petro products found: Not reported Petro products cleaned: Not reported Sediments found: Not reported Sediments cleaned: Not reported

Soil affected:

Not reported Soil cleaned up: Surface water cleaned: Not reported VOCs found: Not reported VOCs cleaned: Not reported Cleanup other description: Not reported Num. of cleanup and re-dev. jobs: Not reported Past use greenspace acreage: Not reported Past use residential acreage: Not reported Past use commercial acreage: Not reported Not reported Past use industrial acreage: Future use greenspace acreage: Not reported Future use residential acreage: Not reported Not reported Future use commercial acreage: Not reported Future use industrial acreage: Greenspace acreage and type: Not reported Superfund Fed. landowner flag: Not reported Arsenic cleaned up: Not reported

Direction Distance

Elevation Site Database(s) EPA ID Number

FRANKFORT ROUNDHOUSE SITE (Continued)

1015793811

EDR ID Number

Cadmium cleaned up: Not reported Not reported Chromium cleaned up: Not reported Copper cleaned up: Not reported Iron cleaned up: mercury cleaned up: Not reported Not reported nickel cleaned up: Not reported No clean up: Not reported Pesticides cleaned up: Not reported Selenium cleaned up: SVOCs cleaned up: Not reported Unknown clean up: Not reported Arsenic contaminant found: Not reported Cadmium contaminant found: Not reported Chromium contaminant found: Not reported Copper contaminant found: Not reported Iron contaminant found: Not reported Not reported Mercury contaminant found: Nickel contaminant found: Not reported No contaminant found: Not reported Pesticides contaminant found: Not reported Not reported Selenium contaminant found: SVOCs contaminant found: Not reported Not reported Unknown contaminant found: Future Use: Multistory Not reported Media affected Bluiding Material: Not reported Not reported Media affected indoor air: Building material media cleaned up: Not reported Indoor air media cleaned up: Not reported Unknown media cleaned up: Not reported Past Use: Multistory Not reported

3 WINSKI BROTHERS, INC. SWRCY S109951143 751 W. WASHINGTON N/A

< 1/8 FRANKFORT, IN 46041 1 ft.

SWRCY:

Relative: Higher Program Company: Winski Brothers
Program Contact Name: Sherman Winski
Address: 751 W. Washington St

Actual: 860 ft.

City: Frankfort
State: IN
Zip: 46041
Contact Phone: 765-654-5323
County: Clinton
Entity Type: for-profit
Sites Notes: Not reported
Customers: Not reported

Materials Accepted: AluminumCans, Steel Cans, White Goods (Appliances)

Not reported Website: Contact Name: Not reported Not reported Manufacturer: Not reported Processor: Broker: Not reported Other: Not reported Automotive Fluids: Not reported Not reported Batteries: Construction/Related Products:Not reported

Direction Distance

Elevation Site Database(s) EPA ID Number

WINSKI BROTHERS, INC. (Continued)

S109951143

EDR ID Number

Electronics/Related Products: Not reported Not reported Glass: Industrial Materials: Not reported Metals: Not reported Paper: Not reported Plastics: Not reported Not reported Rubber: Textiles: Not reported Wood/Organics: Not reported

Program Company: Not reported Program Contact Name: Not reported Address: Not reported City: Not reported Not reported State: Zip: Not reported Contact Phone: (765) 654-5323 Not reported County: Entity Type: Not reported Not reported Sites Notes: Customers: Not reported Materials Accepted: Not reported Website: Not reported Contact Name: Sherman Winski Manufacturer: Not reported Processor: Yes Broker: Not reported Other: Not reported Not reported Automotive Fluids: Batteries: Yes Construction/Related Products:Yes

Electronics/Related Products: Not reported Glass: Not reported Industrial Materials: Yes Yes Metals: Paper: Not reported Plastics: Not reported Rubber: Not reported Textiles: Not reported Wood/Organics: Not reported

4 RAILROAD ROUNDHOUSE
W CLINTON DR & SHORT MYRTLE ST

< 1/8 FRANKFORT, IN 46041

0.000 mi. 2 ft.

Relative: IN BROWNFIELD:

Higher Facility ID: 4070454

Project Manager: William Wieringa

Actual: Al Id: 7820

860 ft.

BROWNFIELDS \$108530888

N/A

Direction Distance

Elevation Site Database(s) EPA ID Number

5 FRANKFORT BULK PLANT UST U003951468
East 700 W WASHINGTON N/A

< 1/8 0.003 mi.

14 ft.

Relative: UST:

Higher

Facility ID: 6480 Owner Id: 6876

Actual: 860 ft.

Company Name: Tri County Petroleum
Mailing Address: 508 S John St
Mailing Address 2: Not reported

Mailing City, St, Zip: Crawfordsville, IN 47933

Tank Number:

FRANKFORT, IN 46041

Tank Status: Permanently Out of Service

Install Date: 01/01/1981
Tank Capacity: 3000
Substance Desc: Diesel

Tank Number: 2

Tank Status: Permanently Out of Service

Install Date: 01/01/1966
Tank Capacity: 1000
Substance Desc: Gasoline

Tank Number:

Tank Status: Permanently Out of Service

Install Date: 01/01/1966
Tank Capacity: 550
Substance Desc: Gasoline

 B6
 INDIANA BRASS INCORPORATED
 MANIFEST
 1001413004

 ESE
 800 W CLINTON ST
 SPILLS
 N/A

 < 1/8</td>
 FRANKFORT, IN 46041
 BROWNFIELDS

0.057 mi.

299 ft. Site 1 of 2 in cluster B

Relative:

IN MANIFEST:

Higher

Year: 2010

EPA ID: IND006421085

 Actual:
 Tons Generated:
 0.00

 860 ft.
 Tons Shipped OffSite:
 0.18

Manifest Handler:

EPA Id #: IND006421085 Generator Type: Not reported

Generator Status: Dead Mail, mail was returned

Transporter Type: Code no longer valid

Transporter Status: Non Active
TSD Type: Not reported
TSD Status: Closed

Handler Mailing Address:
Handler Mailing City/State/Zip:
Contact Name:
Contact Telephone:

800 W CLINTON ST
FRANKFORT, IN 46041
BRUCE WESSELL
765-659-3341

Contact Type: Environmental Coordinator

EDR ID Number

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

INDIANA BRASS INCORPORATED (Continued)

1001413004

SPILL:

199512110 Facility ID: Incident Date: 12/13/1995 Report Date: 12/15/1995 Material: Heating Oil Spill Source: Trans - Truck Recovered Amount: G

Recovered Units: 750.00 Spilled Amount: Not reported Spilled Units: Unknown Units Contained:

Water Affected: Perched Water Pocket

Spill Type: Spill Area Affected: Not reported Fish Killed: 0.00 Water Supply Affected: Not reported

Public Intake:

IN BROWNFIELD:

Facility ID: 4050016 Project Manager: Kyle Hendrix

Al Id: 674

INDIANA BRASS INCORPORATED CERCLIS 1000463789

ESE 800 W CLINTON ST **CORRACTS** IND006421085 < 1/8 FRANKFORT, IN 46041 RCRA NonGen / NLR 0.057 mi. **RAATS**

299 ft. Site 2 of 2 in cluster B **MANIFEST**

CERCLIS: Relative: Site ID:

B7

0507478 Higher EPA ID: IND006421085 Actual: CLINTON Facility County:

860 ft. Short Name: US TAP INC DBA INDIANA BR

> Congressional District: 06 IFMS ID: B5XQ Not reported SMSA Number: USGC Hydro Unit: 05120107

Federal Facility: Not a Federal Facility

DMNSN Number: 0.00000 Site Orphan Flag: RCRA ID:

USGS Quadrangle: Not reported Site Init By Prog: Not reported NFRAP Flag: Not reported Not reported Parent ID: Not reported RST Code:

EPA Region: 05

Classification: Not reported Site Settings Code: Not reported NPL Status: Not on the NPL DMNSN Unit Code: Not reported RBRAC Code: Not reported RResp Fed Agency Code: Not reported

Non NPL Status: Removal Only Site (No Site Assessment Work Needed)

Non NPL Status Date: 09/15/10 Site Fips Code: 18023

Direction Distance

Elevation Site Database(s) EPA ID Number

INDIANA BRASS INCORPORATED (Continued)

1000463789

EDR ID Number

CC Concurrence Date: //

CC Concurrence FY: Not reported Alias EPA ID: Not reported Site FUDS Flag: Not reported

CERCLIS Site Contact Name(s):

 Contact ID:
 13003068.00000

 Contact Name:
 SHELLY LAM

 Contact Tel:
 (317) 417-0980

Contact Title: On-Scene Coordinator (OSC)

Contact Email: Not reported

CERCLIS Site Alias Name(s):

Alias ID: 101

Alias Name: INDIANA BRASS

Alias Address: 800 W. CLINTON STREET

FRANKFORT, IN 46041

Alias ID: 101

Alias Comments: THE FACILITY IS A FORMER PLATING SHOP THAT CLOSED IN 1996. THE

FACILITY PREVIOUSLY MANUFACTURED AND PLATED PLUMBING FIXTURES. THE

BUILDING CAUGHT FIRE IN JUNE 2010. AFTER THE FIRE, THE INDIANA

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT DOCUMENTED PLATING VATS AND

DRUMS INSIDE THE FORMER FACILITY.

Site Description: The facility is a former plating shop that closed in 1996. The facility

previously manufactured and plated plumbing fixtures. The building caught fire

in June 2010. After the fire, the Indiana Department of Environmental Management documented plating vats and drums inside the former facility.

CERCLIS Assessment History:

Action Code: 001

Action: DISCOVERY
Date Started: //
Date Completed: 12/15/93
Priority Level: Not reported

Priority Level: Not reported
Operable Unit: SITEWIDE
Primary Responsibility: EPA Fund-Financed

Planning Status: Not reported Urgency Indicator: Not reported Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001

Action: PRELIMINARY ASSESSMENT

Date Started: / /

Date Completed: 04/12/94

Priority Level: Deferred to RCRA (Subtitle C)

Operable Unit: SITEWIDE

Primary Responsibility: EPA Fund-Financed
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Direction Distance

Elevation Site Database(s) EPA ID Number

INDIANA BRASS INCORPORATED (Continued)

1000463789

EDR ID Number

Action Code: 001

Action: ARCHIVE SITE

Date Started: / /

Date Completed: 12/13/95
Priority Level: Not reported
Operable Unit: SITEWIDE
Primary Responsibility: EPA In-House
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001

Action: SITE UNARCHIVED

Date Started: / /
Date Completed: 07/23/10
Priority Level: Not reported
Operable Unit: SITEWIDE
Primary Responsibility: EPA In-House
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001
Action: REMOVAL
Date Started: 07/20/10
Date Completed: 06/03/11
Priority Level: Cleaned up
Operable Unit: SITEWIDE

Primary Responsibility: EPA Fund-Financed

Planning Status: Approved Urgency Indicator: Time Critical Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Click this hyperlink while viewing on your computer to access 112 additional US CERCLIS Financial: record(s) in the EDR Site Report.

CORRACTS:

EPA ID: IND006421085

EPA Region: 05

Area Name: ENTIRE FACILITY

Actual Date: 19880331

Action: CA050 - RFA Completed

NAICS Code(s): 332998

Enameled Iron and Metal Sanitary Ware Manufacturing

Original schedule date: Not reported Schedule end date: Not reported

EPA ID: IND006421085

EPA Region: 05

Direction Distance

Elevation Site Database(s) EPA ID Number

INDIANA BRASS INCORPORATED (Continued)

1000463789

EDR ID Number

Area Name: ENTIRE FACILITY

Actual Date: 19880331

Action: CA999 - Corrective Action Process Terminated

NAICS Code(s): 332998

Enameled Iron and Metal Sanitary Ware Manufacturing

Original schedule date: Not reported Schedule end date: Not reported

EPA ID: IND006421085

EPA Region: 05

Area Name: ENTIRE FACILITY

Actual Date: 19880331

Action: CA070YE - RFA Determination Of Need For An RFI, RFI is Necessary

NAICS Code(s): 332998

Enameled Iron and Metal Sanitary Ware Manufacturing

Original schedule date: Not reported Schedule end date: Not reported

EPA ID: IND006421085

EPA Region: 05

Area Name: ENTIRE FACILITY

Actual Date: 19940331

Action: CA075LO - CA Prioritization, Facility or area was assigned a low

corrective action priority

NAICS Code(s): 332998

Enameled Iron and Metal Sanitary Ware Manufacturing

Original schedule date: Not reported Schedule end date: Not reported

RCRA NonGen / NLR:

Date form received by agency: 01/10/2011

Facility name: INDIANA BRASS INCORPORATED

Facility address: 800 W CLINTON ST

FRANKFORT, IN 460410369

EPA ID: IND006421085

Mailing address: N SHADELAND AVE

CARE OF IDEM STE 100

INDIANAPOLIS, IN 46219

Contact: SHELLY LAM

Contact address: N SHADELAND AVE CARE OF IDEM STE 100

INDIANAPOLIS, IN 46219

Contact country: US

Contact telephone: 317-417-0980

Contact email: LAM.SHELLY@EPA.GOV

EPA Region: 05
Land type: Private
Classification: Non-Generator

Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: NEOCORP INC
Owner/operator address: 3800 W 12TH ST

ERIE, PA 16505

Owner/operator country: Not reported
Owner/operator telephone: (814) 835-0200

Legal status: Private

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

INDIANA BRASS INCORPORATED (Continued)

1000463789

Owner/Operator Type: Owner Owner/Op start date: Not reported Owner/Op end date: Not reported

Owner/operator name: FRANKFORT PROPERTIES Owner/operator address: 2433 W INDUSTRIAL DR BLOOMINGTON, IN 47407

Owner/operator country: US

Owner/operator telephone: Not reported Legal status: Private Owner/Operator Type: Operator Owner/Op start date: 01/01/1601 Owner/Op end date: Not reported

Owner/operator name: US TAP INC

Owner/operator address: 800 W CLINTON ST

FRANKFORT, IN 46041

Owner/operator country: Not reported Owner/operator telephone: (317) 659-3341

Legal status: Private Owner/Operator Type: Owner Owner/Op start date: 02/12/1996 Owner/Op end date: Not reported

FRANKFORT PROPERTIES Owner/operator name: 2433 W INDUSTRIAL DR Owner/operator address: BLOOMINGTON, IN 47407

Owner/operator country: US

Owner/operator telephone: Not reported Legal status: Private Owner/Operator Type: Owner Owner/Op start date: 01/01/1601 Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No Mixed waste (haz. and radioactive): No Recycler of hazardous waste: No Transporter of hazardous waste: No Treater, storer or disposer of HW: No Underground injection activity: No On-site burner exemption: No Furnace exemption: No Used oil fuel burner: No Used oil processor: No User oil refiner: No Used oil fuel marketer to burner: No Used oil Specification marketer: No Used oil transfer facility: No Used oil transporter: No

Historical Generators:

Date form received by agency: 07/15/2010

Site name: INDIANA BRASS INCORPORATED

Classification: Small Quantity Generator

Direction Distance

Elevation Site Database(s) EPA ID Number

INDIANA BRASS INCORPORATED (Continued)

1000463789

EDR ID Number

Date form received by agency: 03/20/1998
Site name: INDIANA BRASS

Classification: Large Quantity Generator

Date form received by agency: 03/28/1996

Site name: INDIANA BRASS, INC.
Classification: Large Quantity Generator

Date form received by agency: 02/27/1996

Site name: INDIANA BRASS INC Classification: Not a generator, verified

Date form received by agency: 02/25/1994
Site name: U.S. TAP INC.

Classification: Large Quantity Generator

Date form received by agency: 07/16/1992

Site name: INDIANA BRASS INC
Classification: Large Quantity Generator

Date form received by agency: 02/25/1992
Site name: INDIANA BRASS
Classification: Large Quantity Generator

Date form received by agency: 03/01/1990

Site name: INDIANA BRASS COMPANY INC.

Classification: Large Quantity Generator

Date form received by agency: 10/21/1983

Site name: INDIANA BRASS INC Classification: Not a generator, verified

Hazardous Waste Summary:

Waste code: D000
Waste name: Not Defined

Waste code: F006

Waste name: WASTEWATER TREATMENT SLUDGES FROM ELECTROPLATING OPERATIONS EXCEPT

FROM THE FOLLOWING PROCESSES: (1) SULFURIC ACID ANODIZING OF ALUMINUM; (2) TIN PLATING ON CARBON STEEL; (3) ZINC PLATING (SEGREGATED BASIS)

ON CARBON STEEL; (4) ALUMINUM OR ZINC-ALUMINUM PLATING ON CARBON STEEL; (5) CLEANING/STRIPPING ASSOCIATED WITH TIN, ZINC AND ALUMINUM PLATING ON CARBON STEEL; AND (6) CHEMICAL ETCHING AND MILLING OF

ALUMINUM.

Waste code: F008

Waste name: PLATING BATH RESIDUES FROM THE BOTTOM OF PLATING BATHS FROM

ELECTROPLATING OPERATIONS WHERE CYANIDES ARE USED IN THE PROCESS.

Waste code: F009

Waste name: SPENT STRIPPING AND CLEANING BATH SOLUTIONS FROM ELECTROPLATING

OPERATIONS WHERE CYANIDES ARE USED IN THE PROCESS.

Waste code: P029

Waste name: COPPER CYANIDE

Waste code: P106

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

INDIANA BRASS INCORPORATED (Continued)

1000463789

Waste name: SODIUM CYANIDE

Corrective Action Summary:

Event date: 03/31/1988 Event: **RFA Completed**

Event date: 03/31/1988

Event: Corrective Action Process Terminated

Event date: 03/31/1988

Event: RFA Determination Of Need For An RFI, RFI is Necessary;

Event date: 03/31/1994

Event: CA Prioritization, Facility or area was assigned a low corrective

action priority.

Facility Has Received Notices of Violations:

Regulation violated: Not reported Area of violation: TSD - General Date violation determined: 04/21/1988 Date achieved compliance: 08/02/1989 Violation lead agency: State

Enforcement action: WRITTEN INFORMAL

Enforcement action date: 06/22/1988 Enf. disposition status: Not reported Enf. disp. status date: Not reported Enforcement lead agency: State Proposed penalty amount: Not reported Final penalty amount: Not reported Paid penalty amount: Not reported

Regulation violated: Not reported

Area of violation: TSD - Financial Requirements

09/01/1987 Date violation determined: 03/18/1998 Date achieved compliance: Violation lead agency: State Enforcement action: Not reported Enforcement action date: Not reported Enf. disposition status: Not reported Enf. disp. status date: Not reported Enforcement lead agency: Not reported Proposed penalty amount: Not reported Final penalty amount: Not reported Paid penalty amount: Not reported

Evaluation Action Summary:

05/23/1997 Evaluation date:

COMPLIANCE EVALUATION INSPECTION ON-SITE Evaluation:

Area of violation: Not reported Date achieved compliance: Not reported Evaluation lead agency: State

08/29/1989 Evaluation date:

Evaluation: FINANCIAL RECORD REVIEW

Area of violation: Not reported Date achieved compliance: Not reported

Direction Distance

Elevation Site Database(s) EPA ID Number

INDIANA BRASS INCORPORATED (Continued)

1000463789

EDR ID Number

Evaluation lead agency: State

Evaluation date: 07/10/1989

Evaluation: COMPLIANCE SCHEDULE EVALUATION

Area of violation:

Date achieved compliance:

Evaluation lead agency:

Not reported

State

Evaluation date: 09/14/1988

Evaluation: FINANCIAL RECORD REVIEW

Area of violation:

Date achieved compliance:

Evaluation lead agency:

Not reported

Not reported

State

Evaluation date: 04/21/1988

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation: TSD - General Date achieved compliance: 08/02/1989 Evaluation lead agency: State

Evaluation date: 09/01/1987

Evaluation: FINANCIAL RECORD REVIEW
Area of violation: TSD - Financial Requirements

Date achieved compliance: 03/18/1998 Evaluation lead agency: State

IN MANIFEST:

Year: Not reported
EPA ID: IND006421085
Tons Generated: Not reported
Tons Shipped OffSite: Not reported

Manifest Handler:

EPA Id #: IND006421085 Generator Type: Not reported

Generator Status: Dead Mail, mail was returned

Transporter Type: Code no longer valid

Transporter Status: Non Active
TSD Type: Not reported
TSD Status: Closed

Handler Mailing Address: 800 W CLINTON ST
Handler Mailing City/State/Zip: FRANKFORT, IN 46041
Contact Name: BRUCE WESSELL
Contact Telephone: 765-659-3341

Contact Type: Environmental Coordinator

Year: Not reported
EPA ID: IND006421085
Tons Generated: Not reported
Tons Shipped OffSite: Not reported

Year: Not reported
EPA ID: IND006421085
Tons Generated: Not reported
Tons Shipped OffSite: Not reported

Direction Distance **EDR ID Number** Elevation Site Database(s) **EPA ID Number**

C8 **EDR US Hist Auto Stat** 1015121586

N/A

South **1002 WALNUT AVE** FRANKFORT, IN 46041 < 1/8

0.058 mi.

305 ft. Site 1 of 6 in cluster C

EDR Historical Auto Stations: Relative:

RAMIREZ BODY SHOP CORP Higher Name:

Year: 2011

Actual: Address: 1002 WALNUT AVE

860 ft.

C9 **DEFORD CHRYSLER** BROWNFIELDS \$108530843 N/A

South 1000 W WALNUT ST < 1/8 FRANKFORT, IN 46041

0.058 mi.

306 ft. Site 2 of 6 in cluster C

IN BROWNFIELD: Relative:

Facility ID: 4070455 Higher

Project Manager: William Wieringa 7224

Actual: Al Id:

860 ft.

C10 **DE FORD CHRYSLER** UST 1001298399 South

1000 W WALNUT AVE N/A

< 1/8 FRANKFORT, IN 46041

0.058 mi.

306 ft. Site 3 of 6 in cluster C UST:

Relative:

Higher

Facility ID: 22555 Owner Id: 13638

Actual: 860 ft.

Company Name: De Ford Chrysler Mailing Address: 1000 W Walnut Ave Mailing Address 2: Not reported Mailing City, St, Zip: Frankfort, IN 46041

Tank Number:

Permanently Out of Service Tank Status:

Install Date: Not reported Tank Capacity: 300 Substance Desc: Used Oil

D11 **EXIDE CORP** RCRA NonGen / NLR 1000262637 **NNE** 901 W MORRISON ST **FINDS** IND981786155

< 1/8 FRANKFORT, IN 46041 0.071 mi.

373 ft. Site 1 of 2 in cluster D

RCRA NonGen / NLR: Relative: Date form received by agency: 10/27/1986 Higher

Facility name: NABISCO BRANDS INC

Actual: Facility address: 901 W MORRISON ST 860 ft. FRANKFORT, IN 46041

> EPA ID: IND981786155 Contact: GERARD HISCHE Contact address: 901 W MORRISON ST

FRANKFORT, IN 46041

MANIFEST

TIER 2

Direction Distance

Elevation Site Database(s) EPA ID Number

EXIDE CORP (Continued) 1000262637

Contact country: US

Contact telephone: (211) 884-3421 Contact email: Not reported

EPA Region: 05

Classification: Non-Generator

Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: NABISCO BRANDS INC
Owner/operator address: ADDRESS NOT REPORTED
CITY NOT REPORTED, AK 99998

Owner/operator country: Not reported
Owner/operator telephone: (312) 555-1212
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NAME NOT REPORTED
Owner/operator address: ADDRESS NOT REPORTED

CITY NOT REPORTED, AK 99998

Owner/operator country:

Owner/operator telephone:

Legal status:

Owner/Operator Type:

Owner/Op start date:

Owner/Op end date:

Not reported

Not reported

Not reported

Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No Mixed waste (haz. and radioactive): No Recycler of hazardous waste: No Transporter of hazardous waste: No Treater, storer or disposer of HW: No Underground injection activity: No On-site burner exemption: No Furnace exemption: No Used oil fuel burner: No Used oil processor: No User oil refiner: Nο Used oil fuel marketer to burner: No Used oil Specification marketer: No Used oil transfer facility: No Used oil transporter: No

Hazardous Waste Summary:

Waste code: F003

Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL

ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL

ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL

BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT

EDR ID Number

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

EXIDE CORP (Continued) 1000262637

MIXTURES.

Violation Status: No violations found

FINDS:

110058670273 Registry ID:

Environmental Interest/Information System STATE MASTER

Registry ID: 110058740885

Environmental Interest/Information System STATE MASTER

Registry ID: 110003093508

Environmental Interest/Information System

IN-FRS (Indiana - Facility Registry System). The Indiana Department of Environmental Management (I-DEM) has implemented the Indiana-Facility Registry System (I-FRS). The I-FRS provides the interface and processes to link facility data monitored by multiple State and EPA program systems. In addition, I-FRS enables IDEM to reconcile environmental data and exchange it with EPA FRS using the electronic data exchange over the Network Node.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

IN MANIFEST:

Not reported Year: EPA ID: IND981786155 Tons Generated: Not reported Tons Shipped OffSite: Not reported

Manifest Handler:

EPA Id #: IND981786155 Generator Type: Not reported

Generator Status:

Transporter Type: Code no longer valid

Transporter Status: Non Active TSD Type: Not reported TSD Status: Not reported

Handler Mailing Address: 901 W MORRISON ST FRANKFORT, IN 46041 Handler Mailing City/State/Zip: Contact Name: **GENE ROSSOFF** Contact Telephone: 201-503-3000

Environmental Coordinator Contact Type:

Year: Not reported IND981786155 EPA ID:

Direction Distance Elevation

tance EDR ID Number vation Site Database(s) EPA ID Number

EXIDE CORP (Continued) 1000262637

Tons Generated: Not reported Tons Shipped OffSite: Not reported

Year: Not reported
EPA ID: IND981786155
Tons Generated: Not reported
Tons Shipped OffSite: Not reported

TIER 2:

Facility Id: 14927 SIC Code: Not reported Chemical Name: Oil Based Inks

Chemical Info: CAS Num: Chemical Id: Submission Code:

More Chemical Info: Max Daily Amt: 1000000-9999999 Quantity: 365 Container Type: D -

Steel

Location Description: South section of west warehouse (Building 2)

Storage Info: Storage Loc2: Storage Loc3: Storage Loc4 Max Daily Amt:

1000000-9999999

Facility Id: 14927
SIC Code: Not reported
Chemical Name: Oil Based Inks

Chemical Info: CAS Num: Chemical Id: Submission Code:

More Chemical Info: Max Daily Amt: 1000000 - 9999999 Quantity: 365 Container Type: D -

Steel Drum

Location Description: South section of west warehouse (Building 2)

Storage Info: Storage Loc2: Storage Loc3: Storage Loc4 Max Daily Amt:

1000000 - 9999999

Facility Id: 14927
SIC Code: Not reported
Chemical Name: Oil Based Inks

Chemical Info: CAS Num: Chemical Id: Submission Code:

More Chemical Info: Max Daily Amt: 1000000 - 9999999 Quantity: 151 Container Type: O -

Tote Bin

Location Description: Ubiquitous

Storage Info: Storage Loc2: Storage Loc3: Storage Loc4 Max Daily Amt:

1000000 - 9999999

Facility Id: 14927
SIC Code: Not reported
Chemical Name: Oil Based Inks

Chemical Info: CAS Num: Chemical Id: Submission Code:

More Chemical Info: Max Daily Amt: 1000000 - 9999999 Quantity: 151 Container Type: R -

Other

Location Description: buckets on pallets located in center warehouse (Building 1)

Storage Info: Storage Loc2: Storage Loc3: Storage Loc4 Max Daily Amt:

1000000 - 9999999

Facility Id: 14927 SIC Code: Not reported Chemical Name: Oil Based Inks

Chemical Info: CAS Num: Chemical Id: Submission Code:

Map ID MAP FINDINGS
Direction

Distance Elevation Site

on Site Database(s) EPA ID Number

EXIDE CORP (Continued) 1000262637

More Chemical Info: Max Daily Amt: 1000000-9999999 Quantity: 365 Container Type: O -

Tote B Location Description: Ubiquitous

Storage Info: Storage Loc2: Storage Loc3: Storage Loc4 Max Daily Amt:

1000000-9999999

Facility Id: 14927
SIC Code: Not reported
Chemical Name: Oil Based Inks

Chemical Info: CAS Num: Chemical Id: Submission Code:

More Chemical Info: Max Daily Amt: 1000000-9999999 Quantity: 365 Container Type: R -

Other

Location Description: buckets on pallets located in center warehouse (Building 1)

Storage Info: Storage Loc2: Storage Loc3: Storage Loc4 Max Daily Amt:

1000000-9999999

Facility Id: 19400 SIC Code: 4226 Chemical Name: Sulfuric acid

Chemical Info: CAS Num:7664939 Chemical Id:719 Submission Code:312

More Chemical Info: Max Daily Amt: 07 Quantity: 0 Container Type:

Location Description: Not reported

Storage Info: Storage Loc2: Storage Loc3: Storage Loc4 Max Daily Amt:

07

Facility Id: 14927
SIC Code: Not reported
Chemical Name: Not reported

Chemical Info: CAS Num: Chemical Id: Submission Code: More Chemical Info: Max Daily Amt: Quantity: 0 Container Type:

Location Description: Not reported

Storage Info: Storage Loc2: Storage Loc3: Storage Loc4 Max Daily Amt:

Facility Id: 14927
SIC Code: Not reported
Chemical Name: Oil Based Inks

Chemical Info: CAS Num: Chemical Id: Submission Code:

More Chemical Info: Max Daily Amt: 1000000 - 9999999 Quantity: 365 Container Type: O -

Tote Bin

Location Description: Ubiquitous

Storage Info: Storage Loc2: Storage Loc3: Storage Loc4 Max Daily Amt:

1000000 - 9999999

Facility Id: 14927
SIC Code: Not reported
Chemical Name: Oil Based Inks

Chemical Info: CAS Num: Chemical Id: Submission Code:

More Chemical Info: Max Daily Amt: 1000000 - 9999999 Quantity: 365 Container Type: R -

Other

Location Description: buckets on pallets located in center warehouse (Building 1)

Storage Info: Storage Loc3: Storage Loc3: Storage Loc4 Max Daily Amt:

1000000 - 9999999

EDR ID Number

Direction Distance Elevation

ion Site Database(s) EPA ID Number

EXIDE CORP (Continued)

1000262637

EDR ID Number

Facility Id: 14927
SIC Code: Not reported
Chemical Name: Oil Based Inks

Chemical Info: CAS Num: Chemical Id: Submission Code:

More Chemical Info: Max Daily Amt: 1000000 - 9999999 Quantity: 151 Container Type: D -

Steel Drum

Location Description: South section of west warehouse (Building 2)

Storage Info: Storage Loc2: Storage Loc3: Storage Loc4 Max Daily Amt:

1000000 - 9999999

Facility Id: 14927

Contact:

Contact Type: is business owner for Contact Name: EXIDE TECHNOLOGIES
Mailing Address1: 13000 Deerfield Pkwy Bldg 200

Mailing Address2: Not reported Mailing Address3: Not reported

Mailing City/State/Zip: Alpharetta, GA 30004

Phone: 765-808-4342 Type: Not reported

Contact Type: is primary emergency contact for

Contact Name:

Mailing Address1:

Mailing Address2:

Mailing Address3:

Mailing Address3:

Mailing City/State/Zip:

Phone:

Type:

LYNNETTE MORRIS

2642 W SR 28

Not reported

Not reported

Frankfort, IN 46041

765-659-6000

Not reported

Contact Type: is primary emergency contact for Contact Name: SUN CHEMICAL CORPPPPP

Mailing Address1: 2642 W. State Road 28

Mailing Address2: Not reported
Mailing Address3: Not reported
Mailing City/State/Zip: Frankfort, IN 46041
Phone: Not reported
Type: Not reported

Contact Type: is business owner for Contact Name: EXIDE TECHNOLOGIES Mailing Address1: 13000 Deerfield Pkwy Bldg 200

Mailing Address2: Not reported Mailing Address3: Not reported

Mailing City/State/Zip: Alpharetta, GA 30004

Phone: 800-523-4622 Type: Not reported

Contact Type: is primary emergency contact for

Contact Name: LYNNETTE MORRIS
Mailing Address1: 2642 W SR 28
Mailing Address2: Not reported
Mailing Address3: Not reported
Mailing City/State/Zip: Frankfort, IN 46041
Phone: 765-659-2733
Type: Not reported

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

EXIDE CORP (Continued) 1000262637

Contact Type: is business owner for **EXIDE TECHNOLOGIES** Contact Name: Mailing Address1: 13000 Deerfield Pkwy Bldg 200

Mailing Address2: Not reported Mailing Address3: Not reported

Mailing City/State/Zip: Alpharetta, GA 30004 678-566-9000 Phone: Type: Not reported

Contact Type: is business owner for Contact Name: **EXIDE TECHNOLOGIES** Mailing Address1: 13000 Deerfield Pkwy Bldg 200

Mailing Address2: Not reported Mailing Address3: Not reported

Mailing City/State/Zip: Alpharetta, GA 30004

Phone: 973-404-6000 Type: Not reported

Contact Type: is primary emergency contact for

Contact Name: LYNNETTE MORRIS Mailing Address1: 2642 W SR 28 Mailing Address2: Not reported Mailing Address3: Not reported Mailing City/State/Zip: Frankfort, IN 46041 Phone: 765-650-8134 Type: Not reported

Contact Type: is primary emergency contact for

Contact Name: LYNNETTE MORRIS Mailing Address1: 2642 W SR 28 Mailing Address2: Not reported Mailing Address3: Not reported Mailing City/State/Zip: Frankfort, IN 46041 Phone: 765-654-2303 Type: Not reported

19400 Facility Id:

EXIDE CORP FRANKFORT D12 UST U003950424 NNE 901 W MORRISON ST N/A

< 1/8 0.071 mi.

FRANKFORT, IN 46041

373 ft. Site 2 of 2 in cluster D

Relative: Higher

UST:

Facility ID: 1568 Owner Id: 1551

Actual: 860 ft.

Company Name: Del Monte Corp 108 Mailing Address: Po Box 99 Mailing Address 2: Not reported Mailing City, St, Zip: Frankfort, IN 46041

Tank Number:

Tank Status: **Permanently Out of Service**

Not reported Install Date: Tank Capacity: 15000 Substance Desc: Diesel

Direction Distance

Distance EDR ID Number Elevation Site EDR ID Number Database(s) EPA ID Number

13 EDR US Hist Auto Stat 1015590750

N/A

1000514385

N/A

UST

NE 650 W MORRISON ST < 1/8 FRANKFORT, IN 46041

0.073 mi. 385 ft.

Relative: EDR Historical Auto Stations:

Higher Name: AMERICAN BODY SHOP INC

Year: 2010

Actual: Address: 650 W MORRISON ST

860 ft.

C14 PETRO PLUS FOOD MART VI LUST

South 852 MCKINLEY AVE < 1/8 FRANKFORT, IN 46041

0.105 mi.

555 ft. Site 4 of 6 in cluster C

Relative:

Higher

LUST:

Facility ID: 11599 Incident Number: 199912560

Actual: Affected Area: Well Head Protection
860 ft. Description: NFA-Unconditional Closure

Priority: Medium

Facility ID: 11599 Incident Number: 199912560 Affected Area: Soil

Description: NFA-Unconditional Closure

Priority: Medium

Facility ID: 11599
Incident Number: 199912560
Affected Area: Groundwater

Description: NFA-Unconditional Closure

Priority: Medium

Facility ID: 11599 Incident Number: 199801020

Affected Area: Well Head Protection
Description: Discontinued (active)

Priority: High

Facility ID: 11599 Incident Number: 199801020 Affected Area: Vapors

Description: Discontinued (active)

Priority: High

Facility ID: 11599 Incident Number: 199801020 Affected Area: Soil

Description: Discontinued (active)

Priority: High

Facility ID: 11599
Incident Number: 199801020
Affected Area: Groundwater
Description: Discontinued (active)

Priority: High

Direction Distance

Elevation Site Database(s) **EPA ID Number**

PETRO PLUS FOOD MART VI (Continued)

1000514385

EDR ID Number

UST:

11599 Facility ID: Owner Id: 7995

Company Name: Zimpfer Development Corp

Mailing Address: 11550 W 700 N Mailing Address 2: Not reported Mailing City, St, Zip: Monticello, IN 47960

Tank Number:

Tank Status: **Permanently Out of Service**

Install Date: 11/15/1977 Tank Capacity: 6000 Substance Desc: Gasoline

Tank Number:

Tank Status: **Permanently Out of Service**

Install Date: 11/15/1977 Tank Capacity: 8000 Substance Desc: Gasoline

Tank Number:

Permanently Out of Service Tank Status:

11/15/1977 Install Date: Tank Capacity: 8000 Substance Desc: Gasoline

C15 **BULK #2725** South **852 MCKINNLEY AVE** < 1/8 FRANKFORT, IN 46041

0.105 mi.

555 ft. Site 5 of 6 in cluster C

Relative:

LUST:

Facility ID: 19255 Higher Incident Number: 199402510

Actual: Affected Area: Well Head Protection 860 ft. Description: NFA-Unconditional Closure

> Priority: Low

19255 Facility ID: Incident Number: 199402510

Affected Area: Soil

Description: NFA-Unconditional Closure

Priority: Low

Facility ID: 19255 Incident Number: 200508504

Affected Area: Well Head Protection Description: NFA-Unconditional Closure

Priority: Medium

Facility ID: 19255 Incident Number: 200508504 Affected Area: Soil

Description: NFA-Unconditional Closure LUST

UST

U002114152

N/A

Direction Distance

Elevation Site Database(s) **EPA ID Number**

BULK #2725 (Continued) U002114152

Priority: Medium

Facility ID: 19255 Incident Number: 200508504 Affected Area: **MTBE**

NFA-Unconditional Closure Description:

Medium Priority:

Facility ID: 19255 Incident Number: 200508504 Affected Area: Groundwater

NFA-Unconditional Closure Description:

Priority: Medium

UST:

Facility ID: 19255 Owner Id: 41917

Company Name: Jagmohan Singh/Amandeep Singh

1795 W SR 28 Mailing Address: Mailing Address 2: Not reported Mailing City, St, Zip: Frankfort, IN 46041

Tank Number:

Tank Status: Currently in use Install Date: 04/01/1993 15000 Tank Capacity: Substance Desc: Gasoline

Tank Number: 2

Tank Status: Currently in use Install Date: 04/01/1993 10000 Tank Capacity: Substance Desc: Gasoline

Tank Number:

Tank Status: Currently in use 04/01/1993 Install Date: Tank Capacity: 15000 Substance Desc: Diesel

C16 EDR US Hist Auto Stat 1015656725

South **854 MCKINLEY AVE** < 1/8 FRANKFORT, IN 46041

0.106 mi.

559 ft. Site 6 of 6 in cluster C

EDR Historical Auto Stations: Relative:

Higher Name: HERRA BODY SHOP

Year: 2012

Actual: Address: 854 MCKINLEY AVE

860 ft.

N/A

EDR ID Number

Direction Distance

Elevation Site Database(s) **EPA ID Number**

E17 **ABILITIES SERVICES** SWRCY S109949196 N/A

SSW 950 MCKINLEY AVE. FRANKFORT, IN 46041 < 1/8

0.118 mi.

622 ft. Site 1 of 2 in cluster E

Relative:

SWRCY:

Higher

Program Company: **Abilities Services** Program Contact Name: Steven Gooch 950 McKinley Ave. Address:

Actual: 861 ft.

City: Frankfort State: IN Zip: 46041 Contact Phone: 765-659-4631 County: Clinton Entity Type: non-profit Sites Notes: Not reported Customers: Not reported

Newspaper, Cardboard Materials Accepted:

Website: Not reported Contact Name: Not reported Not reported Manufacturer: Processor: Not reported Broker: Not reported Other: Not reported Automotive Fluids: Not reported Batteries: Not reported Construction/Related Products:Not reported Electronics/Related Products: Not reported Glass: Not reported Not reported Industrial Materials: Metals: Not reported Not reported Paper: Plastics: Not reported Rubber: Not reported Textiles: Not reported Not reported Wood/Organics:

U003951719 E18 IMPACT COOPERATIVE, INC. UST **1013 MCKINLEY AVE** SSW N/A

1/8-1/4 0.128 mi.

674 ft. Site 2 of 2 in cluster E

FRANKFORT, IN 46041

Relative: Higher

UST:

Actual: 861 ft.

Facility ID: 9590 1203 Owner Id: Company Name: Agmax Inc 1111 S Jackson Mailing Address: Mailing Address 2: Not reported Mailing City, St, Zip: Frankfort, IN 46041

Tank Number:

Tank Status: **Permanently Out of Service**

Install Date: Not reported Tank Capacity: 300 Substance Desc: Gasoline

EDR ID Number

Direction Distance

EDR ID Number Elevation Site **EPA ID Number** Database(s)

F19 **EDR US Hist Auto Stat** 1015169182

N/A

NW 1152 W MORRISON ST 1/8-1/4 FRANKFORT, IN 46041

0.131 mi.

691 ft. Site 1 of 2 in cluster F

EDR Historical Auto Stations: Relative:

Name: **BELL AUTOMOTIVE** Lower

Year: 2006

Actual: Address: 1152 W MORRISON ST

857 ft.

20 EDR US Hist Auto Stat 1015670789

MANIFEST

IND WASTE

North 908 W JEFFERSON ST N/A

1/8-1/4 FRANKFORT, IN 46041

0.136 mi. 717 ft.

EDR Historical Auto Stations: Relative:

BRUCES AUTO SHOP Name: Higher

Year: 2001

Actual: 908 W JEFFERSON ST Address:

860 ft.

RCRA-CESQG **G21 AMERICAN BODY SHOP** 1000451395 605 W JEFFERSON ST NE **FINDS** IND984878942

1/8-1/4 FRANKFORT, IN 46041

0.140 mi.

Actual:

861 ft.

741 ft. Site 1 of 2 in cluster G

RCRA-CESQG: Relative:

Date form received by agency: 07/10/2002 Higher

Facility name: AMERICAN BODY SHOP Facility address: 605 W JEFFERSON ST

FRANKFORT, IN 46041

EPA ID: IND984878942 JOHN BOWER Contact: Contact address: 605 W JEFFERSON ST

FRANKFORT, IN 46041

Contact country: US

Contact telephone: (765) 654-5609 Contact email: Not reported

EPA Region:

Classification: Conditionally Exempt Small Quantity Generator

Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time;

or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of

any residue or contaminated soil, waste or other debris resulting from

the cleanup of a spill, into or on any land or water, of acutely

hazardous waste

Map ID MAP FINDINGS
Direction

Elevation Site

EDR ID Number
Database(s) EPA ID Number

AMERICAN BODY SHOP (Continued)

1000451395

Owner/Operator Summary:

Distance

Owner/operator name: BOWER JOHN

Owner/operator address: 605 W JEFFERSON ST

FRANKFORT, IN 46041

Owner/operator country: Not reported Owner/operator telephone: (765) 654-5609

Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 01/01/0001
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No Mixed waste (haz. and radioactive): No Recycler of hazardous waste: No Transporter of hazardous waste: Yes Treater, storer or disposer of HW: No Underground injection activity: No On-site burner exemption: No Furnace exemption: No Used oil fuel burner: No Used oil processor: No User oil refiner: No Used oil fuel marketer to burner: No Used oil Specification marketer: No Used oil transfer facility: Nο Used oil transporter: No

Historical Generators:

Date form received by agency: 08/21/1990

Site name: AMERICAN BODY SHOP
Classification: Small Quantity Generator

Hazardous Waste Summary:

Waste code: D001

Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF

LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT

WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: F003

Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL

ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL

ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT
MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT
NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS
CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED
SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR
MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL
BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT

MIXTURES.

Direction Distance

Elevation Site Database(s) EPA ID Number

AMERICAN BODY SHOP (Continued)

1000451395

EDR ID Number

Waste code: F005

Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL

KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE,

2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF

THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Violation Status: No violations found

FINDS:

Registry ID: 110003102259

Environmental Interest/Information System

IN-FRS (Indiana - Facility Registry System). The Indiana Department of Environmental Management (I-DEM) has implemented the Indiana-Facility Registry System (I-FRS). The I-FRS provides the interface and processes to link facility data monitored by multiple State and EPA program systems. In addition, I-FRS enables IDEM to reconcile environmental data and exchange it with EPA FRS using the electronic data exchange over the Network Node.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

STATE MASTER

IN MANIFEST:

Year: Not reported EPA ID: IND984878942 Tons Generated: Not reported Tons Shipped OffSite: Not reported

Manifest Handler:

EPA ld #: IND984878942

Generator Type: CEG

Generator Status: Active Handler

Transporter Type: Transporter of hazardous wastes

Transporter Status: Active
TSD Type: Not reported
TSD Status: Not reported

Handler Mailing Address: 605 W JEFFERSON ST Handler Mailing City/State/Zip: FRANKFORT, IN 46041

Contact Name: JOHN BOWER Contact Telephone: 765-654-5609

Contact Type: Environmental Coordinator

Year: Not reported EPA ID: IND984878942 Tons Generated: Not reported

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

AMERICAN BODY SHOP (Continued)

Tons Shipped OffSite: Not reported

Not reported Year: EPA ID: IND984878942 Tons Generated: Not reported Tons Shipped OffSite: Not reported

IND WASTE:

Regulatory: IND984878942 Program: HW

Reference: Access Point Date Data Collect: Not reported

G22 EDR US Hist Auto Stat 1015571987 605 W JEFFERSON ST NE N/A

1/8-1/4 FRANKFORT, IN 46041

0.140 mi.

741 ft. Site 2 of 2 in cluster G

EDR Historical Auto Stations: Relative:

AMERICAN BODY SHOP Name: Higher

Year:

Actual: Address: 605 W JEFFERSON ST 861 ft.

Name: AMERICAN BODY SHOP

Year: 2000

605 W JEFFERSON ST Address:

AMERICAN BODY SHOP Name:

Year: 2001

Address: 605 W JEFFERSON ST

AMERICAN BODY SHOP Name:

Year: 2003

Address: 605 W JEFFERSON ST

AMERICAN BODY SHOP Name:

Year: 2004

Address: 605 W JEFFERSON ST

Name: AMERICAN BODY SHOP

Year: 2005

605 W JEFFERSON ST Address:

Name: AMERICAN BODY SHOP INC

Year: 2006

Address: 605 W JEFFERSON ST

Name: AMERICAN BODY SHOP INC

Year:

605 W JEFFERSON ST Address:

Name: AMERICAN BODY SHOP INC

Year: 2008

Address: 605 W JEFFERSON ST

AMERICAN BODY SHOP INC Name:

1000451395

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

(Continued) 1015571987

Year: 2009

605 W JEFFERSON ST Address:

Name: AMERICAN BODY SHOP

Year: 2010

605 W JEFFERSON ST Address:

Name: AMERICAN BODY SHOP

Year: 2011

Address: 605 W JEFFERSON ST

Name: AMERICAN BODY SHOP

Year: 2012

Address: 605 W JEFFERSON ST

H23 **EDR US Hist Auto Stat** 1015591822

SE **653 W WALNUT ST** FRANKFORT, IN 46041 1/8-1/4

0.144 mi.

758 ft. Site 1 of 2 in cluster H

EDR Historical Auto Stations: Relative:

WRIGHTS AUTO UPHOLSTERY Name: Higher

Year: 1999 Address: 653 W WALNUT ST

Actual: 860 ft.

> Name: WRIGHTS AUTO UPHOLSTERY

Year: 2001

Address: 653 W WALNUT ST

Name: WRIGHTS AUTO UPHOLSTERY

Year: 2002

653 W WALNUT ST Address:

WRIGHTS AUTO UPHOLSTERY Name:

Year: 2003

Address: 653 W WALNUT ST

WRIGHTS AUTO HOME UPHOLSTER Name:

Year: 2004

Address: 653 W WALNUT ST

WRIGHTS AUTO UPHOLSTERY Name:

2005 Year:

653 W WALNUT ST Address:

WRIGHTS AUTO UPHOLSTERY Name:

2006 Year:

653 W WALNUT ST Address:

Name: WRIGHTS AUTO UPHOLSTERY

Year: 2009

653 W WALNUT ST Address:

Name: WRIGHTS AUTO UPHOLSTERY

Year: 2010

653 W WALNUT ST Address:

N/A

Direction Distance

Distance Elevation Site EDR ID Number

Database(s) EPA ID Number

F24 EDR US Hist Auto Stat 1015180982

N/A

N/A

NW 1203 W MORRISON ST 1/8-1/4 FRANKFORT, IN 46041

0.151 mi.

796 ft. Site 2 of 2 in cluster F

Relative: EDR Historical Auto Stations:

Lower Name: ROBERTS AUTO

Year: 2008

Actual: Address: 1203 W MORRISON ST 857 ft.

Name: ROBERTS AUTO

Year: 2009

Address: 1203 W MORRISON ST

H25 FORMER BALDWIN-SALMON LUST U003210455

SE 601 WALNUT ST 1/8-1/4 FRANKFORT, IN 46041

0.156 mi.

824 ft. Site 2 of 2 in cluster H

Relative: LUST:

Higher Facility ID: 22326

Incident Number: 199610530

Actual: Affected Area: Soil
860 ft. Description: NFA-I

860 ft. Description: NFA-Unconditional Closure
Priority: Low

Priority: Low

26 EDR US Hist Auto Stat 1015412272 SW 310 SHORT MYRTLE ST N/A

SW 310 SHORT MYRTLE ST 1/8-1/4 FRANKFORT, IN 46041

0.157 mi. 829 ft.

Relative: EDR Historical Auto Stations:

Higher Name: BODY SHOP HERRERA

Year: 2011

Actual: Address: 310 SHORT MYRTLE ST

862 ft.

27 EDR US Hist Auto Stat 1015476900

East 408 W WASHINGTON ST 1/8-1/4 FRANKFORT, IN 46041

0.160 mi. 847 ft.

Relative: EDR Historical Auto Stations:

Lower Name: MACK AUTOMOTIVE & INDUSTRIAL

Year: 2001

Actual: Address: 408 W WASHINGTON ST

859 ft.

TC4176082.2s Page 40

N/A

Direction Distance

Elevation Site **EPA ID Number** Database(s)

28 **CVS PHARMACY #6667** RCRA-LQG 1001232174 **ESE 460 WEST WALNUT STREET** FINDS INR000017764

1/8-1/4 FRANKFORT, IN 46041 **MANIFEST** 0.184 mi. **IND WASTE** 971 ft.

RCRA-LQG: Relative:

Higher Date form received by agency: 03/27/2014

Facility name: CVS PHARMACY #6667 Actual: Facility address: 460 WEST WALNUT STREET 860 ft.

FRANKFORT, IN 46041

EPA ID: INR000017764 Mailing address: CVS DR 23062A

WOONSOCKET, RI 02895

Contact: WENDY L BRANT Contact address: **CVS DRIVE**

WOONSOCKET, RI 02895

Contact country: US

(401) 765-1500 Contact telephone:

Contact email: WENDY.BRANT@CVSCAREMARK.COM

EPA Region: 05 Land type: Private

Classification: Large Quantity Generator

Description: Handler: generates 1,000 kg or more of hazardous waste during any

> calendar month: or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than

100 kg of that material at any time

Owner/Operator Summary:

Owner/operator name: CVS

Owner/operator address: 460 W WALNUT ST

FRANKFORT, IN 46041

Owner/operator country: Not reported Owner/operator telephone: (765) 659-2462

Legal status: Private Owner/Operator Type: Owner Owner/Op start date: Not reported Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No Mixed waste (haz. and radioactive): No Recycler of hazardous waste: No Transporter of hazardous waste: No Treater, storer or disposer of HW: No Underground injection activity: No On-site burner exemption: No Furnace exemption: No Used oil fuel burner: No Used oil processor: No **EDR ID Number**

Direction Distance

Elevation Site Database(s) EPA ID Number

CVS PHARMACY #6667 (Continued)

1001232174

EDR ID Number

User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:

Date form received by agency: 05/15/2013

Site name: CVS PHARMACY 6667

Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 03/26/2012

Site name: CVS PHARMACY 6667 Classification: Small Quantity Generator

Date form received by agency: 11/22/2002
Site name: CVS STORE 6667
Classification: Not a generator, verified

Date form received by agency: 11/02/1998
Site name: CVS STORE 6667
Classification: Small Quantity Generator

Hazardous Waste Summary:

Waste code: D001

Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF

LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT

WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: D002

Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS

CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

Waste code: D011
Waste name: SILVER

Waste code: D001

Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF

LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT

WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: D002

Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS

Direction Distance Elevation

ance EDR ID Number vation Site Database(s) EPA ID Number

CVS PHARMACY #6667 (Continued)

1001232174

CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

Waste code: D011 Waste name: SILVER

Waste code: P001

Waste name: 2H-1-BENZOPYRAN-2-ONE, 4-HYDROXY-3-(3-OXO-1-PHENYLBUTYL)-, & SALTS,

WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3%

Waste code: P042

Waste name: 1,2-BENZENEDIOL, 4-[1-HYDROXY-2-(METHYLAMINO)ETHYL]-, (R)-

Waste code: P075

Waste name: NICOTINE, & SALTS

Waste code: P081

Waste name: NITROGLYCERINE (R)

Waste code: D001

Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF

LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT

WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: D002

Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS

CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE

DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

Waste code: D011 Waste name: SILVER

Waste code: P001

Waste name: 2H-1-BENZOPYRAN-2-ONE, 4-HYDROXY-3-(3-OXO-1-PHENYLBUTYL)-, & SALTS,

WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3%

Waste code: P042

Waste name: 1,2-BENZENEDIOL, 4-[1-HYDROXY-2-(METHYLAMINO)ETHYL]-, (R)-

Waste code: P075

Waste name: NICOTINE, & SALTS

Waste code: P081

Waste name: NITROGLYCERINE (R)

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

CVS PHARMACY #6667 (Continued)

1001232174

Facility Has Received Notices of Violations:

Regulation violated: SS - IC 13-22-4-3.1 Area of violation: State Statute or Regulation

Date violation determined: 05/10/2002 Date achieved compliance: 12/16/2002 Violation lead agency: State

WRITTEN INFORMAL Enforcement action:

Enforcement action date: 10/16/2002 Enf. disposition status: Not reported Enf. disp. status date: Not reported Enforcement lead agency: State Proposed penalty amount: Not reported Final penalty amount: Not reported Paid penalty amount: Not reported

SS - IC 13-22-4-3.1 Regulation violated: Area of violation: State Statute or Regulation

Date violation determined: 05/10/2002 Date achieved compliance: 12/16/2002 Violation lead agency: State

WRITTEN INFORMAL Enforcement action:

Enforcement action date: 05/10/2002 Enf. disposition status: Not reported Enf. disp. status date: Not reported Enforcement lead agency: State Proposed penalty amount: Not reported Final penalty amount: Not reported Paid penalty amount: Not reported

Evaluation Action Summary:

Evaluation date: 05/10/2002

Evaluation: NON-FINANCIAL RECORD REVIEW

Area of violation: State Statute or Regulation

Date achieved compliance: 12/16/2002 Evaluation lead agency: State

FINDS:

Registry ID: 110003133751

Environmental Interest/Information System

IN-FRS (Indiana - Facility Registry System). The Indiana Department of Environmental Management (I-DEM) has implemented the Indiana-Facility Registry System (I-FRS). The I-FRS provides the interface and processes to link facility data monitored by multiple State and EPA program systems. In addition, I-FRS enables IDEM to reconcile

environmental data and exchange it with EPA FRS using the electronic

data exchange over the Network Node.

IN MANIFEST:

2013 Year:

EPA ID: INR000017764

Tons Generated: 0.40 Tons Shipped OffSite: 0.40

Direction Distance

Elevation Site Database(s) **EPA ID Number**

CVS PHARMACY #6667 (Continued)

1001232174

EDR ID Number

Manifest Handler:

INR000017764 EPA Id#: Generator Type: Not reported

Generator Status: No longer a generator of hazardous wastes

Transporter Type: Code no longer valid

Transporter Status: Non Active TSD Type: Not reported TSD Status: Not reported

Handler Mailing Address: 460 W WALNUT ST Handler Mailing City/State/Zip: FRANKFORT, IN 46041 Contact Name: **BRENDA AVERY** Contact Telephone: 765-659-2462

Contact Type: Α

2012 Year:

EPA ID: INR000017764

Tons Generated: 0.00 Tons Shipped OffSite: 0.17

Year: Not reported INR000017764 EPA ID: Tons Generated: Not reported Tons Shipped OffSite: Not reported

Year: Not reported EPA ID: INR000017764 Tons Generated: Not reported Tons Shipped OffSite: Not reported

Year: Not reported EPA ID: INR000017764 Tons Generated: Not reported Tons Shipped OffSite: Not reported

> Click this hyperlink while viewing on your computer to access additional IN MANIFEST: detail in the EDR Site Report.

IND WASTE:

000007548196 Regulatory:

Program: HW

Reference: Access Point Date Data Collect: Not reported

ADVANCE AUTO PARTS SWRCY 129 S109949263 N/A

ESE 380 W. WALNUT ST. 1/8-1/4 FRANKFORT, IN 46041 0.228 mi.

1202 ft.

Site 1 of 5 in cluster I

SWRCY: Relative:

Program Company: Not reported Higher Program Contact Name: Not reported

Actual: Address: Not reported 860 ft. City: Not reported

State: Not reported Zip: Not reported

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

ADVANCE AUTO PARTS (Continued)

S109949263

Contact Phone: Not reported Not reported County: Not reported Entity Type: Sites Notes: Not reported Customers: Not reported

Leadacid Batteries (automobile) Materials Accepted:

Website: Not reported Contact Name: Not reported Not reported Manufacturer: Processor: Not reported Not reported Broker: Not reported Other: Automotive Fluids: Not reported Not reported Batteries: Construction/Related Products:Not reported Electronics/Related Products: Not reported Not reported Glass: Industrial Materials: Not reported Metals: Not reported Paper: Not reported Plastics: Not reported Rubber: Not reported Textiles: Not reported Wood/Organics: Not reported

30 FORMER KYGER ELEMENTARY SCHOOL **US BROWNFIELDS** 1016456762 SE **300 SOUTH THIRD STREET FINDS** N/A

1/8-1/4 0.231 mi.

1218 ft.

FRANKFORT, IN 46041

US BROWNFIELDS: Relative:

Clinton County Higher Recipient name: Grant type: Assessment

Actual: FORMER KYGER ELEMENTARY SCHOOL Property name: 860 ft. Property #: 121010327001000021; 016-43041-48

> Parcel size: 1.76 Property Description: Not reported Latitude: 40.278382

-86.51721199999997 Longitude:

HCM label: Address Matching-House Number

Map scale: Not reported

Point of reference: Entrance Point of a Facility or Station North American Datum of 1983 Datum:

ACRES property ID: 164733 Start date: Not reported Not reported Completed date: Not reported Acres cleaned up: Cleanup funding: Not reported Not reported Cleanup funding source: Assessment funding:

Assessment funding source: US EPA - Brownfields Assessment Cooperative Agreement

Not reported Redevelopment funding: Redev. funding source: Not reported Redev. funding entity name: Not reported Redevelopment start date: Not reported Assessment funding entity: **EPA**

Cleanup funding entity: Not reported Map ID MAP FINDINGS Direction

Distance Elevation

Site Database(s) **EPA ID Number**

FORMER KYGER ELEMENTARY SCHOOL (Continued)

1016456762

EDR ID Number

Grant type:

Phase I Environmental Assessment Accomplishment type:

Accomplishment count:

00E01090 Cooperative agreement #: Ownership entity: Not reported Not reported Current owner: Did owner change: Not reported Cleanup required: Unknown Video available: Not reported Photo available: Not reported

Institutional controls required:

U Not reported IC Category proprietary controls: IC cat. info. devices: Not reported IC cat. gov. controls: Not reported IC cat. enforcement permit tools: Not reported IC in place date: Not reported Not reported IC in place: State/tribal program date: Not reported State/tribal program ID: Not reported State/tribal NFA date: Not reported Air contaminated: Not reported Air cleaned: Not reported Asbestos found: Not reported Asbestos cleaned: Not reported Controled substance found: Not reported Not reported Controled substance cleaned: Drinking water affected: Not reported Drinking water cleaned: Not reported Groundwater affected: Not reported Not reported Groundwater cleaned: Lead contaminant found: Not reported Lead cleaned up: Not reported Not reported No media affected: Unknown media affected: Not reported Not reported Other cleaned up: Other metals found: Not reported Other metals cleaned: Not reported Other contaminants found: Not reported Other contams found description: Not reported PAHs found: Not reported PAHs cleaned up: Not reported Not reported PCBs found: PCBs cleaned up: Not reported Not reported Petro products found: Petro products cleaned: Not reported Sediments found: Not reported Sediments cleaned: Not reported Soil affected: Not reported Soil cleaned up: Not reported Not reported Surface water cleaned: VOCs found: Not reported VOCs cleaned: Not reported Cleanup other description: Not reported Num. of cleanup and re-dev. jobs: Not reported Past use greenspace acreage: Not reported Past use residential acreage: Not reported

Past use commercial acreage:

Not reported

Elevation Site

Distance

Database(s)

EDR ID Number pase(s) EPA ID Number

FORMER KYGER ELEMENTARY SCHOOL (Continued)

1016456762

Past use industrial acreage: Not reported Future use greenspace acreage: Not reported Not reported Future use residential acreage: Not reported Future use commercial acreage: Future use industrial acreage: Not reported Greenspace acreage and type: Not reported Not reported Superfund Fed. landowner flag: Not reported Arsenic cleaned up: Not reported Cadmium cleaned up: Chromium cleaned up: Not reported Copper cleaned up: Not reported Iron cleaned up: Not reported Not reported mercury cleaned up: Not reported nickel cleaned up: No clean up: Not reported Pesticides cleaned up: Not reported Not reported Selenium cleaned up: SVOCs cleaned up: Not reported Unknown clean up: Not reported Arsenic contaminant found: Not reported Cadmium contaminant found: Not reported Chromium contaminant found: Not reported Not reported Copper contaminant found: Iron contaminant found: Not reported Mercury contaminant found: Not reported Not reported Nickel contaminant found: No contaminant found: Not reported Pesticides contaminant found: Not reported Selenium contaminant found: Not reported Not reported SVOCs contaminant found: Unknown contaminant found: Not reported Future Use: Multistory Not reported Media affected Bluiding Material: Not reported Media affected indoor air: Not reported Building material media cleaned up: Not reported Indoor air media cleaned up: Not reported Unknown media cleaned up: Not reported Past Use: Multistory Not reported

FINDS:

Registry ID: 110057003317

Environmental Interest/Information System

US EPA Assessment, Cleanup and Redevelopment Exchange System (ACRES) is an federal online database for Brownfields Grantees to

s all rederal offille database for browning as Grantees to

electronically submit data directly to EPA.

Direction Distance

Distance Elevation Site EDR ID Number

EDR ID Number

EPA ID Number

J31 IND BELL TEL CO FRANKFORD 65X RCRA NonGen / NLR 1000104332
East 257 W CLINTON ST FINDS INT190013870

East 257 W CLINTON ST 1/8-1/4 FRANKFORT, IN 46041

0.234 mi.

1235 ft. Site 1 of 2 in cluster J

Relative: RCRA NonGen / NLR:

Lower Date form received by agency: 03/15/1981

Facility name: IND BELL TEL CO FRANKFORD 65X

Actual: Facility address: 257 W CLINTON ST 859 ft. FRANKFORT IN 460

FRANKFORT, IN 46041 EPA ID: INT190013870

Contact: PAUL RODE
Contact address: 257 W CLINTON ST

FRANKFORT, IN 46041

Contact country: US

Contact telephone: (317) 265-3904 Contact email: Not reported

EPA Region: 05

Classification: Non-Generator

Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: NAME NOT REPORTED
Owner/operator address: ADDRESS NOT REPORTED

CITY NOT REPORTED, AK 99998

Owner/operator country:
Owner/operator telephone:
Legal status:
Owner/Operator Type:
Owner/Op start date:
Owner/Op end date:
Not reported
Not reported
Not reported

Owner/operator name: INDIANA BELL TELEPHONE CO INC

Owner/operator address: ADDRESS NOT REPORTED CITY NOT REPORTED, AK 99998

Owner/operator country: Not reported
Owner/operator telephone: (312) 555-1212

Owner/operator telephone: (312) 555-1212
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No Mixed waste (haz. and radioactive): No Recycler of hazardous waste: No Transporter of hazardous waste: No Treater, storer or disposer of HW: No Underground injection activity: No On-site burner exemption: No Furnace exemption: No Used oil fuel burner: No Used oil processor: No User oil refiner: No Used oil fuel marketer to burner: No Used oil Specification marketer: No Used oil transfer facility: No

Direction Distance

Elevation Site Database(s) EPA ID Number

IND BELL TEL CO FRANKFORD 65X (Continued)

1000104332

EDR ID Number

Used oil transporter: No

Hazardous Waste Summary:

Waste code: D002

Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS

CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

Waste code: D008 Waste name: LEAD

Violation Status: No violations found

FINDS:

Registry ID: 110058758410

Environmental Interest/Information System STATE MASTER

Registry ID: 110003140146

Environmental Interest/Information System

IN-FRS (Indiana - Facility Registry System). The Indiana Department of Environmental Management (I-DEM) has implemented the Indiana-Facility Registry System (I-FRS). The I-FRS provides the interface and processes to link facility data monitored by multiple State and EPA program systems. In addition, I-FRS enables IDEM to reconcile environmental data and exchange it with EPA FRS using the electronic data exchange over the Network Node.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

 J32
 AT&T INDIANA TELEPHONE
 UST U003951241

 East
 257 W CLINTON
 TIER 2 N/A

1/8-1/4 FRANKFORT, IN 46041 0.234 mi.

1235 ft. Site 2 of 2 in cluster J

Relative: UST:

Lower Facility ID: 4005 Owner Id: 5239

Actual: Company Name: AT & T Services Inc 859 ft. Mailing Address: 308 S Akard Rm 1700

Mailing Address: 308 S Akard Rm 170
Mailing Address 2: attn Steve Sparks
Mailing City,St,Zip: Dallas, TX 75202

Tank Number: 1

Direction Distance

Elevation Site Database(s) **EPA ID Number**

AT&T INDIANA TELEPHONE (Continued)

U003951241

EDR ID Number

Tank Status: **Permanently Out of Service**

01/01/1975 Install Date: Tank Capacity: 3000 Substance Desc: Diesel

Tank Number:

Tank Status: **Permanently Out of Service**

Install Date: 01/01/1975 Tank Capacity: 3000 Substance Desc: Diesel

TIER 2:

Facility Id: 15032 SIC Code: Not reported Chemical Name: Sulfuric Acid

Chemical Info: CAS Num:7664939 Chemical Id: Submission Code:

More Chemical Info: Max Daily Amt: 1000 - 4999 Quantity: 365 Container Type: R - Other

Location Description: with engine

Storage Info: Storage Loc: Storage Loc2: Storage Loc3: Storage Loc4 Max Daily Amt:

1000 - 4999

Facility Id: 15032 SIC Code: Not reported Chemical Name: Lead

CAS Num:7439921 Chemical Id: Submission Code: Chemical Info: More Chemical Info: Max Daily Amt: 04 Quantity: 365 Container Type: Other

Location Description:

Storage Info: Storage Loc: Storage Loc2: Storage Loc3: Storage Loc4 Max Daily Amt:

04

Facility Id: 15032 SIC Code: Not reported Chemical Name: Lead

CAS Num:7439921 Chemical Id: Submission Code: Chemical Info:

More Chemical Info: Max Daily Amt: 10000 - 24999 Quantity: 365 Container Type: R - Other

power rm Location Description:

Storage Info: Storage Loc: Storage Loc2: Storage Loc3: Storage Loc4 Max Daily Amt:

10000 - 24999

Facility Id: 15032 SIC Code: Not reported Chemical Name: Lead

Chemical Info: CAS Num:7439921 Chemical Id: Submission Code:

More Chemical Info: Max Daily Amt: 10000 - 24999 Quantity: 365 Container Type: R - Other

with engine Location Description:

Storage Info: Storage Loc: Storage Loc2: Storage Loc3: Storage Loc4 Max Daily Amt:

10000 - 24999

15032 Facility Id: SIC Code: Not reported Chemical Name: Sulfuric Acid

Chemical Info: CAS Num:7664939 Chemical Id: Submission Code:

Direction Distance Elevation

nce EDR ID Number ation Site Database(s) EPA ID Number

AT&T INDIANA TELEPHONE (Continued)

U003951241

More Chemical Info: Max Daily Amt: 1000-9999 Quantity: 365 Container Type: R - Other

Location Description: power rm

Storage Info: Storage Loc2: Storage Loc3: Storage Loc4 Max Daily Amt:

1000-9999

Facility Id: 15032 SIC Code: Not reported Chemical Name: Sulfuric Acid

Chemical Info: CAS Num:7664939 Chemical Id: Submission Code:

More Chemical Info: Max Daily Amt: 1000 - 9999 Quantity: 365 Container Type: R - Other

Location Description: power rm

Storage Info: Storage Loc2: Storage Loc3: Storage Loc4 Max Daily Amt:

1000 - 9999

Facility Id: 15032 SIC Code: Not reported

Chemical Name: Lead

Chemical Info: CAS Num:7439921 Chemical Id: Submission Code:

More Chemical Info: Max Daily Amt: 10000-99999 Quantity: 365 Container Type: R - Other

Location Description: power rm

Storage Info: Storage Loc2: Storage Loc3: Storage Loc4 Max Daily Amt:

10000-99999

Facility Id: 15032 SIC Code: Not reported Chemical Name: Sulfuric Acid

Chemical Info: CAS Num:7664939 Chemical Id: Submission Code:

More Chemical Info: Max Daily Amt: 1000 - 4999 Quantity: 365 Container Type: R - Other

Location Description: power rm

Storage Info: Storage Loc2: Storage Loc3: Storage Loc4 Max Daily Amt:

1000 - 4999

Facility Id: 15032 SIC Code: Not reported Chemical Name: Lead

Chemical Info: CAS Num:7439921 Chemical Id: Submission Code:

More Chemical Info: Max Daily Amt: 10000 - 99999 Quantity: 365 Container Type: R - Other

Location Description: with engine

Storage Info: Storage Loc2: Storage Loc3: Storage Loc4 Max Daily Amt:

10000 - 99999

Facility Id: 15032 SIC Code: Not reported Chemical Name: Sulfuric Acid

Chemical Info: CAS Num:7664939 Chemical Id: Submission Code:

More Chemical Info: Max Daily Amt: 1000 - 9999 Quantity: 365 Container Type: R - Other

Location Description: with engine

Storage Info: Storage Loc2: Storage Loc3: Storage Loc4 Max Daily Amt:

1000 - 9999

Facility Id: 15032

Distance Elevation

ation Site Database(s) EPA ID Number

AT&T INDIANA TELEPHONE (Continued)

U003951241

EDR ID Number

SIC Code: Not reported

Chemical Name: Lead

Chemical Info: CAS Num:7439921 Chemical Id: Submission Code:

More Chemical Info: Max Daily Amt: 10000 - 99999 Quantity: 365 Container Type: R - Other

Location Description: power rm

Storage Info: Storage Loc2: Storage Loc3: Storage Loc4 Max Daily Amt:

10000 - 99999

Facility Id: 29
SIC Code: 4813
Chemical Name: Sulfuric acid

Chemical Info: CAS Num:7664939 Chemical Id:719 Submission Code:312

More Chemical Info: Max Daily Amt: 03 Quantity: 0 Container Type:

Location Description: Not reported

Storage Info: Storage Loc2: Storage Loc3: Storage Loc4 Max Daily Amt:

03

Facility Id: 15032 SIC Code: Not reported Chemical Name: Sulfuric Acid

Chemical Info: CAS Num:7664939 Chemical Id: Submission Code: More Chemical Info: Max Daily Amt: 03 Quantity: 365 Container Type: Other

Location Description: n/a

Storage Info: Storage Loc2: Storage Loc3: Storage Loc4 Max Daily Amt:

03

Facility Id: 29 Facility Id: 15032

Contact:

Contact Type: Primary Emergency Contact
Contact Name: RICHARD ROSADO
Mailing Address1: 352 S. Indiana Street
Mailing Address2: Room CO

Mailing Address3:
Mot reported
Mailing City/State/Zip:
Phone:
Type:

Not reported
Frankfort, IN 46158
317-997-9183
Mobile

Contact Type: Business Owner
Contact Name: AT & T CORPORATION

Mailing Address1:898 Marie LaneMailing Address2:Not reportedMailing Address3:Not reportedMailing City/State/Zip:Conyers, GA 30094Phone:770-922-6035

Type: Work

Contact Type: Primary Emergency Contact Contact Name: RICHARD ROSADO Mailing Address1: 352 S. Indiana Street

Mailing Address2: Room CO
Mailing Address3: Not reported
Mailing City/State/Zip: Frankfort, IN 46158
Phone: 317-831-0395

Direction Distance Elevation

ce EDR ID Number ion Site Database(s) EPA ID Number

AT&T INDIANA TELEPHONE (Continued)

U003951241

Type: Work

Contact Type: is primary emergency contact for

Contact Name: RICHARD ROSADO
Mailing Address1: 898 Marie Ln
Mailing Address2: Not reported
Mailing Address3: Not reported
Mailing City/State/Zip: Conyers, GA 30094
Phone: 317-997-9183
Type: Not reported

Contact Type: Business Owner
Contact Name: AT & T CORPORATION

Mailing Address1: 898 Marie Lane
Mailing Address2: Not reported
Mailing Address3: Not reported
Mailing City/State/Zip: Conyers, GA 30094

Phone: --

Type: 24-hour

Contact Type: is business owner for Contact Name: AT & T CORPORATION

Mailing Address1: 898 Marie Ln
Mailing Address2: Not reported
Mailing Address3: Not reported
Mailing City/State/Zip: Conyers, GA 30094
Phone: 800-566-9347
Type: Not reported

Contact Type: is business owner for Contact Name: AT & T CORPORATION

Mailing Address1: 898 Marie Ln
Mailing Address2: Not reported
Mailing Address3: Not reported
Mailing City/State/Zip: Conyers, GA 30094
Phone: 425-580-1548
Type: Not reported

Contact Type: is business owner for Contact Name: AT & T CORPORATION

Mailing Address1: 898 Marie Ln
Mailing Address2: Not reported
Mailing Address3: Not reported
Mailing City/State/Zip: Conyers, GA 30094
Phone: 770-922-6035
Type: Not reported

Contact Type: is business owner for Contact Name: AT & T CORPORATION

Mailing Address1: 898 Marie Ln
Mailing Address2: Not reported
Mailing Address3: Not reported
Mailing City/State/Zip: Conyers, GA 30094
Phone: 317-831-0395
Type: Not reported

Contact Type: is primary emergency contact for

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

AT&T INDIANA TELEPHONE (Continued)

U003951241

RICHARD ROSADO Contact Name: 898 Marie Ln Mailing Address1: Mailing Address2: Not reported Mailing Address3: Not reported Mailing City/State/Zip: Conyers, GA 30094 317-831-0395 Phone: Type: Not reported

Contact Type: **Business Owner** Contact Name: AT & T CORPORATION

Mailing Address1: 898 Marie Lane Mailing Address2: Not reported Mailing Address3: Not reported Mailing City/State/Zip: Conyers, GA 30094 Phone: 800-566-9347 Type: 24-hour

Secondary Emergency Contact Contact Type: **EH&S HOTLINE PROMPT 1** Contact Name:

Mailing Address1: 898 Marie Lane Mailing Address2: Not reported Mailing Address3: Not reported Mailing City/State/Zip: Convers, GA 30094 Phone: 800-566-9347 Type: 24-hour

K33 FRANKFORT PUBLIC LIBRARY SCP S109844910 **255 WEST WASHINGTON STREET East** N/A

1/8-1/4 FRANKFORT, IN 46041

0.239 mi.

1260 ft. Site 1 of 3 in cluster K

SCP: Relative:

200202101 Facility Id: Lower Facility Type: Municipal

Actual: Indicator Name: Inactive 856 ft.

K34 **DAVIS PROPERTY US BROWNFIELDS** 1016348732

East 255 W. WASHINGTON STREET 1/8-1/4 FRANKFORT, IN 46041

0.239 mi.

1260 ft. Site 2 of 3 in cluster K

US BROWNFIELDS: Relative:

Recipient name: Frankfort Community Public Library Lower

> Grant type: Cleanup

Actual: Property name: DAVIS PROPERTY 856 ft. Property #: 0160702392

Parcel size:

Property Description: Dry cleaners, appliance repair shop

Latitude: 40.2824 Longitude: -86.51982

HCM label: Address Matching-Block Face

Map scale:

Point of reference: Entrance Point of a Facility or Station World Geodetic System of 1984 Datum:

FINDS

N/A

Map ID MAP FINDINGS
Direction

Distance Elevation

n Site Database(s) EPA ID Number

DAVIS PROPERTY (Continued)

1016348732

EDR ID Number

ACRES property ID: 15748
Start date: 01-JAN-05
Completed date: 01-OCT-07
Acres cleaned up: Not reported
Cleanup funding: 37592.68

Cleanup funding source: Private/Other Funding

Assessment funding:
Assessment funding source:
Redevelopment funding:
Sog.5
Redev. funding source:
Redev. funding source:
Redev. funding entity name:
Redevelopment start date:
Assessment funding entity:

Not reported
Not reported

Cleanup funding entity: Insurance Co. of Previous Owner

Grant type: H

Accomplishment type: Not reported

Accomplishment count: 0

Cooperative agreement #: 96554401 Ownership entity: Private

Current owner: Frankfort Community Public Library

Did owner change:

Cleanup required:

Video available:

Photo available:

Institutional controls required:

No

Yes

IC Category proprietary controls: Not reported

IC cat. info. devices: Y
IC cat. gov. controls: Y

IC cat. enforcement permit tools:
IC in place date:
IC in place:

Not reported
01-NOV-04
Yes

State/tribal program date: Not reported State/tribal program ID: Not reported State/tribal NFA date: Not reported Not reported Air contaminated: Not reported Air cleaned: Asbestos found: Not reported Asbestos cleaned: Not reported Controled substance found: Not reported Controled substance cleaned: Not reported Not reported Drinking water affected: Not reported Drinking water cleaned: Groundwater affected: Not reported Not reported Groundwater cleaned: Lead contaminant found: Not reported Lead cleaned up: Not reported No media affected: Not reported

Unknown media affected: Other cleaned up: Not reported Not reported Other metals found: Other metals cleaned: Not reported Other contaminants found: Not reported Not reported Other contams found description: Not reported PAHs found: PAHs cleaned up: Not reported PCBs found: Not reported PCBs cleaned up: Not reported Map ID MAP FINDINGS Direction

Distance Elevation

Site Database(s) **EPA ID Number**

DAVIS PROPERTY (Continued)

1016348732

EDR ID Number

Petro products found: Not reported Petro products cleaned: Not reported Sediments found: Not reported Sediments cleaned: Not reported Soil affected: Not reported Soil cleaned up: Not reported Surface water cleaned: Not reported VOCs found: Not reported

VOCs cleaned:

Cleanup other description: Not reported

Num. of cleanup and re-dev. jobs:

Past use greenspace acreage: Not reported Past use residential acreage: Not reported Past use commercial acreage: Not reported Past use industrial acreage: Not reported Future use greenspace acreage: Not reported Not reported Future use residential acreage:

Future use commercial acreage: Future use industrial acreage: Not reported Greenspace acreage and type: Not reported Not reported Superfund Fed. landowner flag: Arsenic cleaned up: Not reported Cadmium cleaned up: Not reported Chromium cleaned up: Not reported Copper cleaned up: Not reported Not reported Iron cleaned up: mercury cleaned up: Not reported nickel cleaned up: Not reported No clean up: Not reported Pesticides cleaned up: Not reported Not reported Selenium cleaned up: SVOCs cleaned up: Not reported Not reported Unknown clean up: Arsenic contaminant found: Not reported Cadmium contaminant found: Not reported Not reported Chromium contaminant found: Copper contaminant found: Not reported Iron contaminant found: Not reported Mercury contaminant found: Not reported Nickel contaminant found: Not reported Not reported No contaminant found: Not reported Pesticides contaminant found: Selenium contaminant found: Not reported Not reported SVOCs contaminant found: Not reported Unknown contaminant found: Future Use: Multistory Not reported Media affected Bluiding Material: Not reported Media affected indoor air: Not reported Building material media cleaned up: Not reported Indoor air media cleaned up: Not reported

Recipient name: Frankfort Community Public Library

Not reported

Not reported

Grant type: Cleanup

Unknown media cleaned up:

Past Use: Multistory

DAVIS PROPERTY Property name: Property #: 0160702392

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

DAVIS PROPERTY (Continued)

1016348732

Parcel size:

Dry cleaners, appliance repair shop Property Description:

40.2824 Latitude: Longitude: -86.51982

HCM label: Address Matching-Block Face

Map scale: 1:50 feet

Point of reference: Entrance Point of a Facility or Station Datum: World Geodetic System of 1984

ACRES property ID: 15748 Start date: 01-JAN-05 Completed date: 01-OCT-07 Acres cleaned up: Not reported Cleanup funding: 150370.73

Cleanup funding source: US EPA - Brownfields Cleanup Cooperative Agreement

Assessment funding: Not reported Assessment funding source: Not reported Redevelopment funding: 5092.5 Redev. funding source: Local Funding Redev. funding entity name: Not reported Redevelopment start date: 08-JAN-05 Assessment funding entity: Not reported

Cleanup funding entity: **EPA**

Grant type: Н

Accomplishment type: Not reported

Accomplishment count:

Cooperative agreement #: 96554401 Ownership entity: Private

Current owner: Frankfort Community Public Library

Did owner change: Cleanup required: Yes Video available: No Photo available: Yes Institutional controls required:

IC Category proprietary controls: Not reported

IC cat. info. devices: IC cat. gov. controls:

Not reported IC cat. enforcement permit tools: IC in place date: 01-NOV-04 IC in place: Yes

State/tribal program date: Not reported Not reported State/tribal program ID: State/tribal NFA date: Not reported Air contaminated: Not reported Not reported Air cleaned: Not reported Asbestos found: Asbestos cleaned: Not reported Controled substance found: Not reported Controled substance cleaned: Not reported Drinking water affected: Not reported Not reported Drinking water cleaned: Groundwater affected: Not reported Groundwater cleaned: Not reported Not reported Lead contaminant found: Not reported Lead cleaned up: No media affected: Not reported

Unknown media affected:

Other cleaned up: Not reported Map ID MAP FINDINGS
Direction

Distance Elevation Site

ite Database(s)

Not reported

Not reported

Not reported

Not reported Not reported

Not reported

Not reported

Not reported Not reported

Not reported

Not reported

DAVIS PROPERTY (Continued)

Other metals found:

1016348732

EDR ID Number

EPA ID Number

Not reported Other metals cleaned: Other contaminants found: Not reported Other contams found description: Not reported PAHs found: Not reported PAHs cleaned up: Not reported PCBs found: Not reported Not reported PCBs cleaned up: Petro products found: Not reported Petro products cleaned: Not reported Not reported Sediments found: Not reported Sediments cleaned: Soil affected: Not reported Not reported Soil cleaned up: Surface water cleaned: Not reported VOCs found: Not reported VOCs cleaned: Cleanup other description: Not reported Num. of cleanup and re-dev. jobs: Past use greenspace acreage: Not reported Past use residential acreage: Not reported Past use commercial acreage: Not reported Past use industrial acreage: Not reported Future use greenspace acreage: Not reported Future use residential acreage: Not reported Future use commercial acreage: Future use industrial acreage: Not reported Greenspace acreage and type: Not reported Superfund Fed. landowner flag: Not reported Arsenic cleaned up: Not reported Not reported Cadmium cleaned up: Chromium cleaned up: Not reported Not reported Copper cleaned up: Iron cleaned up: Not reported mercury cleaned up: Not reported nickel cleaned up: Not reported No clean up: Not reported Pesticides cleaned up: Not reported Selenium cleaned up: Not reported SVOCs cleaned up: Not reported Unknown clean up: Not reported Arsenic contaminant found: Not reported Cadmium contaminant found: Not reported Not reported Chromium contaminant found: Not reported Copper contaminant found: Iron contaminant found: Not reported

Mercury contaminant found: Nickel contaminant found:

Pesticides contaminant found: Selenium contaminant found:

SVOCs contaminant found:

Unknown contaminant found:

Media affected Bluiding Material:

Building material media cleaned up: Not reported

No contaminant found:

Future Use: Multistory

Media affected indoor air:

Direction Distance

Distance Elevation Site EDR ID Number

EDR ID Number

EPA ID Number

DAVIS PROPERTY (Continued) 1016348732

Indoor air media cleaned up:
Unknown media cleaned up:
Past Use: Multistory
Not reported
Not reported

FINDS:

Registry ID: 110038748255

Environmental Interest/Information System

US EPA Assessment, Cleanup and Redevelopment Exchange System (ACRES)

is an federal online database for Brownfields Grantees to

electronically submit data directly to EPA.

 I35
 STEVENSONS FABRICARE
 RCRA NonGen / NLR
 1000430180

 ESE
 359 W WALNUT ST
 FINDS
 IND981798283

1/8-1/4 FRANKFORT, IN 46041 MANIFEST 0.240 mi. MANIFEST

1268 ft. Site 2 of 5 in cluster I

Relative: RCRA NonGen / NLR:

Higher Date form received by agency: 04/17/2006

Facility name: STEVENSONS FABRICARE

Actual: Facility address: 359 W WALNUT ST FRANKFORT, IN 46041

EPA ID: IND981798283
Contact: JANET PILLION
Contact address: 2002 WILSHIRE DR
FRANKFORT, IN 46041

Contact country: US

Contact telephone: (765) 659-2813 Contact email: Not reported

EPA Region: 05
Land type: Private
Classification: Non-Generator

Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: JANET PILLION Owner/operator address: Not reported

Not reported

Owner/operator country: US

Owner/operator telephone: Not reported Legal status: Private Owner/Operator Type: Owner Owner/Op start date: 01/20/2004 Owner/Op end date: Not reported

Owner/operator name: STEVENSON'S FABRICARE

Owner/operator address: Not reported Not reported

Owner/operator country: US

Owner/operator telephone: Not reported Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 01/20/2004
Owner/Op end date: Not reported

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

STEVENSONS FABRICARE (Continued)

1000430180

Handler Activities Summary:

U.S. importer of hazardous waste: No Mixed waste (haz. and radioactive): No Recycler of hazardous waste: No Transporter of hazardous waste: No Treater, storer or disposer of HW: No Underground injection activity: No On-site burner exemption: No Furnace exemption: No Used oil fuel burner: No Used oil processor: No User oil refiner: Nο Used oil fuel marketer to burner: No Used oil Specification marketer: No Used oil transfer facility: No Used oil transporter: No

Historical Generators:

Date form received by agency: 01/21/2004

STEVENSONS FABRICARE Site name: Classification: Small Quantity Generator

Date form received by agency: 02/04/2003

STEVENSONS FABRICARE Site name: Classification: Small Quantity Generator

Date form received by agency: 01/20/1987

STEVENSONS FABRICARE Site name: Classification: Small Quantity Generator

Hazardous Waste Summary:

Waste code: F002

THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, Waste name:

METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE,

CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND

1,1,2-TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE LISTED IN F001, F004, OR F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND

SPENT SOLVENT MIXTURES.

Facility Has Received Notices of Violations:

Regulation violated: FR - 262.34d5ii

Area of violation: Generators - Pre-transport

Date violation determined: 09/06/2002 Date achieved compliance: 09/06/2002 Violation lead agency: State

WRITTEN INFORMAL Enforcement action:

Enforcement action date: 09/06/2002 Enf. disposition status: Not reported Enf. disp. status date: Not reported Enforcement lead agency: State Not reported Proposed penalty amount: Final penalty amount: Not reported

Direction Distance Elevation

Site Database(s) **EPA ID Number**

STEVENSONS FABRICARE (Continued)

1000430180

EDR ID Number

Paid penalty amount: Not reported

Evaluation Action Summary:

Evaluation date: 09/06/2002

COMPLIANCE EVALUATION INSPECTION ON-SITE Evaluation:

Area of violation: Generators - Pre-transport

Date achieved compliance: 09/06/2002 Evaluation lead agency: State

FINDS:

110003094188 Registry ID:

Environmental Interest/Information System

IN-FRS (Indiana - Facility Registry System). The Indiana Department of Environmental Management (I-DEM) has implemented the Indiana-Facility Registry System (I-FRS). The I-FRS provides the interface and processes to link facility data monitored by multiple State and EPA program systems. In addition, I-FRS enables IDEM to reconcile environmental data and exchange it with EPA FRS using the electronic data exchange over the Network Node.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

STATE MASTER

IN MANIFEST:

Not reported Year: EPA ID: IND981798283 Tons Generated: Not reported Tons Shipped OffSite: Not reported

Manifest Handler:

EPA Id #: IND981798283 Generator Type: Not reported

Generator Status:

Transporter Type: Code no longer valid

Transporter Status: Non Active TSD Type: Not reported TSD Status: Not reported Handler Mailing Address: 359 W WALNUT ST

Handler Mailing City/State/Zip: FRANKFORT, IN 46041 Contact Name: JANET PILLION Contact Telephone: 765-659-2813

Contact Type: Α

Year: Not reported EPA ID: IND981798283 Tons Generated: Not reported Tons Shipped OffSite: Not reported

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

STEVENSONS FABRICARE (Continued)

1000430180

Year: Not reported IND981798283 EPA ID: Tons Generated: Not reported Tons Shipped OffSite: Not reported

Not reported Year: IND981798283 EPA ID: Tons Generated: Not reported Tons Shipped OffSite: Not reported

Year: Not reported EPA ID: IND981798283 Tons Generated: Not reported Tons Shipped OffSite: Not reported

> Click this hyperlink while viewing on your computer to access additional IN MANIFEST: detail in the EDR Site Report.

IND WASTE:

IND981798283 Regulatory:

Program: HW

Reference: Access Point Date Data Collect: Not reported

136 STEVENSON BROTHERS DRY CLEANERS 2

VCP S109845468 SCP N/A

ESE 359 WEST WALNUT ST. FRANKFORT, IN 46041 1/8-1/4

0.240 mi.

1268 ft. Site 3 of 5 in cluster I

VCP: Relative: Higher

Status: Active VRP Id Number: 6050401

Actual: Applicant Name: Janet Pillion 860 ft. LandUse Restrictions/Institutional Controls: Not reported Project Manager: Wyatt

Convenant Not To Sue Date: Not reported Not reported Certificate of Completion Date: V50B5 New Coding Number: App# Date: Not reported App# Acceptance: 04/18/2005 12/20/2005 VRA executed: RWP Received: 03/09/2006 07/10/2006 RWP Approved: Comp Date: Not reported Comments: Not reported

SCP:

Facility Id: 000000154 Facility Type: Drycleaner Indicator Name: Inactive

Direction Distance

Elevation Site **EPA ID Number** Database(s)

137 STEVENSON'S FABRIC CARE CTR **DRYCLEANERS** S108161824

359 W WALNUT ST

1/8-1/4 FRANKFORT, IN 46041

0.240 mi.

ESE

1268 ft. Site 4 of 5 in cluster I

Relative: Higher

Actual:

860 ft.

IN Dryclean:

City:

IN0502822 Facility ID: Alias Name: Not reported Facility Telephone: 317/659-2813 Contact Name: JANET PILLION Contact Phone: Not reported Address: 359 W WALNUT ST

FRANKFORT

State: IN Zip Code: 46041 Zip4: 2368 Comment: Not reported 323(D); 324(D)(1)(5) Violation:

Perc Gallons: 800 Estimated Perc Gallons: Not reported

RMEN Closed: No Other: No Int Received Date: 02/11/19 Prev Received Date: 02/11/19 Cntrl Received Date: 6/23/97 Class/Mach: 1-LEA/DRC Five Star: Not reported

Cmpl Action: IS/VL

Inspection Date: 6/12/97; 10/1/98; 5/23/00; 6/1/01; 1/21/03; 9/27/04

Inspector: DTR Mailed Date: 10/20/04 Not reported Status:

Cause: A-4406, 1999-3386-A(AO) 8/9/99, 2000-9477-A(NV)(AO) 10/13/00

Date Response: Not reported PO Notes: Not reported

MID-STATE PLUMBING SUPPLY - IRWIN PROPERTY K38

251 W. WASHINGTON STREET 46041 **East**

FRANKFORT, IN 46041 1/8-1/4

0.241 mi.

1271 ft. Site 3 of 3 in cluster K

Relative:

US BROWNFIELDS:

Lower

Recipient name: Frankfort Community Public Library

Grant type: Cleanup

Actual: 856 ft.

MID-STATE PLUMBING SUPPLY - IRWIN PROPERTY Property name:

Property #: 0160812600

Parcel size: .2

Property Description: Gas station, auto dealership, repair shop

Latitude: 40.2824 Longitude: -86.51982

HCM label: Address Matching-Block Face

Map scale: 1:50 feet

Entrance Point of a Facility or Station Point of reference: Datum: World Geodetic System of 1984

ACRES property ID: 15749 Start date: 31-MAR-05 01-OCT-07 Completed date: Acres cleaned up: Not reported 1014949179

N/A

US BROWNFIELDS

EDR ID Number

N/A

Direction Distance Elevation

Site Database(s) EPA ID Number

MID-STATE PLUMBING SUPPLY - IRWIN PROPERTY (Continued)

1014949179

EDR ID Number

Cleanup funding: 6124.05

Cleanup funding source: Private/Other Funding

Assessment funding:
Assessment funding source:
Redevelopment funding:
Redev. funding source:
Redev. funding source:
Redev. funding entity name:
Redevelopment start date:
Assessment funding entity:

Not reported
Operating Fund
08-JAN-05
Not reported

Cleanup funding entity: Insurance Co. of Previous Owner

Grant type: H

Accomplishment type: Not reported

Accomplishment count: 0

Cooperative agreement #: 96554401
Ownership entity: Not reported

Current owner: Frankfort Community Public Library

Did owner change:

Cleanup required:

Video available:

Photo available:

Institutional controls required:

Y

N

Yes

IC Category proprietary controls: Not reported

IC cat. info. devices: Y
IC cat. gov. controls: Y

IC cat. enforcement permit tools: Not reported IC in place date: 01-NOV-04

IC in place: Yes

State/tribal program date: Not reported State/tribal program ID: Not reported State/tribal NFA date: Not reported Not reported Air contaminated: Air cleaned: Not reported Asbestos found: Not reported Asbestos cleaned: Not reported Not reported Controled substance found: Not reported Controled substance cleaned: Drinking water affected: Not reported Drinking water cleaned: Not reported Groundwater affected: Not reported

Groundwater cleaned: Y

Lead contaminant found: Not reported Not reported Lead cleaned up: No media affected: Not reported Not reported Unknown media affected: Not reported Other cleaned up: Other metals found: Not reported Other metals cleaned: Not reported Other contaminants found: Not reported Other contams found description: Not reported Not reported PAHs found: PAHs cleaned up: Not reported PCBs found: Not reported Not reported PCBs cleaned up: Petro products found: Not reported Petro products cleaned: Not reported Sediments found: Not reported Sediments cleaned: Not reported Map ID MAP FINDINGS
Direction

Distance Elevation Sit

Site Database(s) EPA ID Number

MID-STATE PLUMBING SUPPLY - IRWIN PROPERTY (Continued)

1014949179

EDR ID Number

Soil affected: Not reported

Soil cleaned up:

Surface water cleaned: Not reported VOCs found: Not reported

VOCs cleaned: Y

Cleanup other description: Not reported

Num. of cleanup and re-dev. jobs:

Past use greenspace acreage:
Past use residential acreage:
Past use commercial acreage:
Past use industrial acreage:
Past use industrial acreage:
Past use greenspace acreage:
Not reported
Not reported
Not reported
Not reported
Not reported
Not reported

Future use commercial acreage: .1

Future use industrial acreage: Not reported Greenspace acreage and type: Not reported Not reported Superfund Fed. landowner flag: Arsenic cleaned up: Not reported Cadmium cleaned up: Not reported Chromium cleaned up: Not reported Not reported Copper cleaned up: Iron cleaned up: Not reported mercury cleaned up: Not reported nickel cleaned up: Not reported No clean up: Not reported Pesticides cleaned up: Not reported Selenium cleaned up: Not reported SVOCs cleaned up: Not reported Unknown clean up: Not reported Not reported Arsenic contaminant found: Cadmium contaminant found: Not reported Chromium contaminant found: Not reported Not reported Copper contaminant found: Iron contaminant found: Not reported Not reported Mercury contaminant found: Not reported Nickel contaminant found: No contaminant found: Not reported Pesticides contaminant found: Not reported Selenium contaminant found: Not reported SVOCs contaminant found: Not reported Not reported Unknown contaminant found: Not reported Future Use: Multistory Media affected Bluiding Material: Not reported Media affected indoor air: Not reported Building material media cleaned up: Not reported Indoor air media cleaned up: Not reported

Recipient name: Frankfort Community Public Library

Grant type: Cleanup

Property name: MID-STATE PLUMBING SUPPLY - IRWIN PROPERTY

Not reported

Not reported

Property #: 0160812600

Parcel size: .2

Unknown media cleaned up: Past Use: Multistory

Property Description: Gas station, auto dealership, repair shop

Latitude: 40.2824 Longitude: -86.51982

Direction Distance Elevation

evation Site Database(s) EPA ID Number

MID-STATE PLUMBING SUPPLY - IRWIN PROPERTY (Continued)

1014949179

EDR ID Number

HCM label: Address Matching-Block Face

Map scale: 1:50 feet

Point of reference: Entrance Point of a Facility or Station
Datum: World Geodetic System of 1984

ACRES property ID: 15749
Start date: 31-MAR-05
Completed date: 01-OCT-07
Acres cleaned up: Not reported
Cleanup funding: 6124.05

Cleanup funding source: Private/Other Funding

Assessment funding: Not reported
Assessment funding source: Not reported
Redevelopment funding: 9915

Redev. funding source:

Redev. funding entity name:

Redevelopment start date:

Assessment funding entity:

Local Funding
Operating funds
08-JAN-05
Not reported

Cleanup funding entity: Insurance Co. of Previous Owner

Grant type: H

Accomplishment type: Not reported

Accomplishment count: 0

Cooperative agreement #: 96554401
Ownership entity: Not reported

Current owner: Frankfort Community Public Library

Did owner change:

Cleanup required:

Video available:

Photo available:

Institutional controls required:

No

Yes

IC Category proprietary controls: Not reported

IC cat. info. devices: Y
IC cat. gov. controls: Y

IC cat. enforcement permit tools:
IC in place date:
O1-NOV-04
IC in place:
Yes

State/tribal program date: Not reported State/tribal program ID: Not reported State/tribal NFA date: Not reported Air contaminated: Not reported Air cleaned: Not reported Not reported Ashestos found: Not reported Asbestos cleaned: Controled substance found: Not reported Not reported Controled substance cleaned: Not reported Drinking water affected: Drinking water cleaned: Not reported Groundwater affected: Not reported

Groundwater cleaned:

Lead contaminant found: Not reported Not reported Lead cleaned up: No media affected: Not reported Unknown media affected: Not reported Not reported Other cleaned up: Other metals found: Not reported Other metals cleaned: Not reported Other contaminants found: Not reported Other contams found description: Not reported Map ID MAP FINDINGS Direction

Distance Elevation

Site Database(s) **EPA ID Number**

MID-STATE PLUMBING SUPPLY - IRWIN PROPERTY (Continued)

1014949179

EDR ID Number

PAHs found: Not reported PAHs cleaned up: Not reported PCBs found: Not reported Not reported PCBs cleaned up: Petro products found: Not reported Petro products cleaned: Not reported Sediments found: Not reported Not reported Sediments cleaned: Soil affected: Not reported Soil cleaned up:

Not reported Surface water cleaned:

VOCs found: Not reported

VOCs cleaned:

Cleanup other description: Not reported

Num. of cleanup and re-dev. jobs:

Past use greenspace acreage: Not reported Past use residential acreage: Not reported Past use commercial acreage: Not reported Past use industrial acreage: Not reported Future use greenspace acreage: Not reported Future use residential acreage: Not reported

Future use commercial acreage: .1 Not reported Future use industrial acreage: Greenspace acreage and type: Not reported Superfund Fed. landowner flag: Not reported Not reported Arsenic cleaned up: Cadmium cleaned up: Not reported Chromium cleaned up: Not reported Copper cleaned up: Not reported Iron cleaned up: Not reported Not reported mercury cleaned up: nickel cleaned up: Not reported Not reported No clean up: Pesticides cleaned up: Not reported Not reported Selenium cleaned up: SVOCs cleaned up: Not reported Unknown clean up: Not reported Arsenic contaminant found: Not reported Cadmium contaminant found: Not reported Chromium contaminant found: Not reported Not reported Copper contaminant found:

Iron contaminant found: Not reported Mercury contaminant found: Not reported Not reported Nickel contaminant found: Not reported No contaminant found: Pesticides contaminant found: Not reported Not reported Selenium contaminant found: SVOCs contaminant found: Not reported Unknown contaminant found: Not reported Not reported Future Use: Multistory

Media affected indoor air: Not reported Building material media cleaned up: Not reported Not reported Indoor air media cleaned up: Unknown media cleaned up: Not reported Past Use: Multistory Not reported

Not reported

Media affected Bluiding Material:

Direction Distance

Elevation Site Database(s) EPA ID Number

MID-STATE PLUMBING SUPPLY - IRWIN PROPERTY (Continued)

1014949179

EDR ID Number

Recipient name: Frankfort Community Public Library

Grant type: Cleanup

Property name: MID-STATE PLUMBING SUPPLY - IRWIN PROPERTY

Property #: 0160812600

Parcel size: .2

Property Description: Gas station, auto dealership, repair shop

Latitude: 40.2824 Longitude: -86.51982

HCM label: Address Matching-Block Face

Map scale: 1:50 feet

Point of reference: Entrance Point of a Facility or Station
Datum: World Geodetic System of 1984

ACRES property ID: 15749
Start date: 31-MAR-05
Completed date: 01-OCT-07
Acres cleaned up: Not reported
Cleanup funding: 6124.05

Cleanup funding source: Private/Other Funding

Assessment funding: Not reported
Assessment funding source: Not reported
Redevelopment funding: 157103.34

Redev. funding source: Private/Other Funding

Redev. funding entity name: Private Grant Redevelopment start date: 08-JAN-05 Assessment funding entity: Not reported

Cleanup funding entity: Insurance Co. of Previous Owner

Grant type:

Accomplishment type: Not reported

Accomplishment count: 0
Cooperative agreement #: 96554401
Ownership entity: Not reported

Current owner: Frankfort Community Public Library

Did owner change:

Cleanup required:

Video available:

Photo available:

Institutional controls required:

Yes

IC Category proprietary controls: Not reported

IC cat. info. devices: Y
IC cat. gov. controls: Y

IC cat. enforcement permit tools:
IC in place date:
IC in place:

Not reported
01-NOV-04
Yes

State/tribal program date: Not reported State/tribal program ID: Not reported State/tribal NFA date: Not reported Air contaminated: Not reported Air cleaned: Not reported Asbestos found: Not reported Not reported Asbestos cleaned: Controled substance found: Not reported Controled substance cleaned: Not reported Not reported Drinking water affected: Drinking water cleaned: Not reported Groundwater affected: Not reported

Groundwater cleaned: Y

Lead contaminant found: Not reported

Direction Distance Elevation

Site Database(s) **EPA ID Number**

MID-STATE PLUMBING SUPPLY - IRWIN PROPERTY (Continued)

1014949179

EDR ID Number

Lead cleaned up: Not reported No media affected: Not reported Unknown media affected: Not reported Not reported Other cleaned up: Other metals found: Not reported Other metals cleaned: Not reported Other contaminants found: Not reported Not reported Other contams found description: PAHs found: Not reported PAHs cleaned up: Not reported Not reported PCBs found: PCBs cleaned up: Not reported Petro products found: Not reported Petro products cleaned: Not reported Sediments found: Not reported Sediments cleaned: Not reported Not reported Soil affected: Soil cleaned up:

Surface water cleaned: Not reported VOCs found: Not reported

VOCs cleaned:

Cleanup other description: Not reported

Num. of cleanup and re-dev. jobs:

Past use greenspace acreage: Not reported Past use residential acreage: Not reported Not reported Past use commercial acreage: Past use industrial acreage: Not reported Future use greenspace acreage: Not reported Future use residential acreage: Not reported

Future use commercial acreage: Future use industrial acreage: Not reported Greenspace acreage and type: Not reported Superfund Fed. landowner flag: Not reported Arsenic cleaned up: Not reported Not reported Cadmium cleaned up: Chromium cleaned up: Not reported Copper cleaned up: Not reported Iron cleaned up: Not reported mercury cleaned up: Not reported nickel cleaned up: Not reported No clean up: Not reported Pesticides cleaned up: Not reported Selenium cleaned up: Not reported Not reported SVOCs cleaned up: Not reported Unknown clean up: Arsenic contaminant found: Not reported Cadmium contaminant found: Not reported Chromium contaminant found: Not reported Copper contaminant found: Not reported Iron contaminant found: Not reported Mercury contaminant found: Not reported Nickel contaminant found: Not reported No contaminant found: Not reported Pesticides contaminant found: Not reported Selenium contaminant found: Not reported SVOCs contaminant found: Not reported Unknown contaminant found: Not reported

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

MID-STATE PLUMBING SUPPLY - IRWIN PROPERTY (Continued)

1014949179

Future Use: Multistory Not reported Not reported Media affected Bluiding Material: Media affected indoor air: Not reported Building material media cleaned up: Not reported Indoor air media cleaned up: Not reported Not reported Unknown media cleaned up: Not reported Past Use: Multistory

Recipient name: Frankfort Community Public Library

Grant type: Cleanup

Property name: MID-STATE PLUMBING SUPPLY - IRWIN PROPERTY

Property #: 0160812600

Parcel size:

Property Description: Gas station, auto dealership, repair shop

Latitude: 40.2824 Longitude: -86.51982

HCM label: Address Matching-Block Face

Map scale: 1:50 feet

Point of reference: Entrance Point of a Facility or Station Datum: World Geodetic System of 1984

ACRES property ID: 15749 Start date: 31-MAR-05 Completed date: 01-OCT-07 Acres cleaned up: Not reported Cleanup funding: 31468.62

Cleanup funding source: Private/Other Funding

Assessment funding: Not reported Assessment funding source: Not reported Redevelopment funding: 294564.57 Redev. funding source: Local Funding Operating Fund Redev. funding entity name: Redevelopment start date: 08-JAN-05 Assessment funding entity: Not reported

Cleanup funding entity: Insurance company of previous property owner

Grant type:

Accomplishment type: Not reported

Accomplishment count:

Cooperative agreement #: 96554401 Ownership entity: Not reported

Current owner: Frankfort Community Public Library

Did owner change: Ν Cleanup required: Yes Video available: No Photo available: Yes Institutional controls required:

IC Category proprietary controls: Not reported

IC cat. info. devices: Υ

IC cat. gov. controls:

IC cat. enforcement permit tools: Not reported IC in place date: 01-NOV-04 IC in place: Yes

State/tribal program date: Not reported State/tribal program ID: Not reported State/tribal NFA date: Not reported Air contaminated: Not reported Air cleaned: Not reported Asbestos found: Not reported

Direction Distance Elevation

Site Database(s) **EPA ID Number**

MID-STATE PLUMBING SUPPLY - IRWIN PROPERTY (Continued)

1014949179

EDR ID Number

Asbestos cleaned: Not reported Controled substance found: Not reported Controled substance cleaned: Not reported Drinking water affected: Not reported Drinking water cleaned: Not reported Groundwater affected: Not reported Groundwater cleaned:

Lead contaminant found: Not reported Lead cleaned up: Not reported No media affected: Not reported Not reported Unknown media affected: Not reported Other cleaned up: Other metals found: Not reported Other metals cleaned: Not reported Other contaminants found: Not reported Other contams found description: Not reported Not reported PAHs found: PAHs cleaned up: Not reported PCBs found: Not reported PCBs cleaned up: Not reported Petro products found: Not reported Petro products cleaned: Not reported Sediments found: Not reported Sediments cleaned: Not reported Soil affected: Not reported Soil cleaned up:

Surface water cleaned: Not reported VOCs found: Not reported VOCs cleaned:

Cleanup other description: Not reported

Num. of cleanup and re-dev. jobs:

Past use greenspace acreage: Not reported Past use residential acreage: Not reported Past use commercial acreage: Not reported Not reported Past use industrial acreage: Future use greenspace acreage: Not reported Future use residential acreage: Not reported

Future use commercial acreage: Future use industrial acreage: Not reported Greenspace acreage and type: Not reported Not reported Superfund Fed. landowner flag: Arsenic cleaned up: Not reported Cadmium cleaned up: Not reported Chromium cleaned up: Not reported Not reported Copper cleaned up: Iron cleaned up: Not reported mercury cleaned up: Not reported nickel cleaned up: Not reported No clean up: Not reported Not reported Pesticides cleaned up: Selenium cleaned up: Not reported SVOCs cleaned up: Not reported Unknown clean up: Not reported Arsenic contaminant found: Not reported Cadmium contaminant found: Not reported Chromium contaminant found: Not reported Not reported Copper contaminant found:

Direction Distance Elevation

tion Site Database(s) EPA ID Number

MID-STATE PLUMBING SUPPLY - IRWIN PROPERTY (Continued)

1014949179

EDR ID Number

Iron contaminant found: Not reported Not reported Mercury contaminant found: Not reported Nickel contaminant found: Not reported No contaminant found: Pesticides contaminant found: Not reported Not reported Selenium contaminant found: Not reported SVOCs contaminant found: Not reported Unknown contaminant found: Not reported Future Use: Multistory Media affected Bluiding Material: Not reported Media affected indoor air: Not reported Building material media cleaned up: Not reported Indoor air media cleaned up: Not reported Unknown media cleaned up: Not reported Past Use: Multistory Not reported

Recipient name: Frankfort Community Public Library

Grant type: Cleanup

Property name: MID-STATE PLUMBING SUPPLY - IRWIN PROPERTY

Property #: 0160812600

Parcel size: .2

Property Description: Gas station, auto dealership, repair shop

Latitude: 40.2824 Longitude: -86.51982

HCM label: Address Matching-Block Face

Map scale: 1:50 feet

Point of reference: Entrance Point of a Facility or Station
Datum: World Geodetic System of 1984

ACRES property ID: 15749
Start date: 31-MAR-05
Completed date: 01-OCT-07
Acres cleaned up: Not reported
Cleanup funding: 31468.62

Cleanup funding source: Private/Other Funding

Assessment funding:
Assessment funding source:
Redevelopment funding:
Redev. funding source:
Redev. funding source:
Redev. funding entity name:
Redevelopment start date:
Assessment funding entity:

Not reported

Not reported

Not reported

Cleanup funding entity: Insurance company of previous property owner

Grant type: H

Accomplishment type: Not reported Accomplishment count: 0

Cooperative agreement #: 96554401
Ownership entity: Not reported

Current owner: Frankfort Community Public Library

Did owner change:

Cleanup required:

Video available:

Photo available:

Institutional controls required:

Yes

IC Category proprietary controls: Not reported

IC cat. info. devices: Y
IC cat. gov. controls: Y

IC cat. enforcement permit tools: Not reported

Map ID MAP FINDINGS
Direction

Distance Elevation

Site Database(s) EPA ID Number

MID-STATE PLUMBING SUPPLY - IRWIN PROPERTY (Continued)

1014949179

EDR ID Number

IC in place date: 01-NOV-04 IC in place: Yes State/tribal program date: Not reported State/tribal program ID: Not reported State/tribal NFA date: Not reported Air contaminated: Not reported Air cleaned: Not reported Not reported Asbestos found: Asbestos cleaned: Not reported Controled substance found: Not reported Not reported Controled substance cleaned: Not reported Drinking water affected: Drinking water cleaned: Not reported Groundwater affected: Not reported

Groundwater cleaned: Y

Lead contaminant found: Not reported Not reported Lead cleaned up: No media affected: Not reported Unknown media affected: Not reported Other cleaned up: Not reported Other metals found: Not reported Other metals cleaned: Not reported Other contaminants found: Not reported Other contams found description: Not reported PAHs found: Not reported PAHs cleaned up: Not reported PCBs found: Not reported PCBs cleaned up: Not reported Petro products found: Not reported Petro products cleaned: Not reported Sediments found: Not reported Sediments cleaned: Not reported Soil affected: Not reported

Soil cleaned up: Y

Surface water cleaned: Not reported VOCs found: Not reported

VOCs cleaned:

Cleanup other description: Not reported

Num. of cleanup and re-dev. jobs:

Past use greenspace acreage:
Past use residential acreage:
Past use commercial acreage:
Past use industrial acreage:
Past use industrial acreage:
Past use greenspace acreage:
Not reported
Not reported
Not reported
Not reported
Not reported

Future use commercial acreage: .1

Future use industrial acreage: Not reported Greenspace acreage and type: Not reported Superfund Fed. landowner flag: Not reported Not reported Arsenic cleaned up: Cadmium cleaned up: Not reported Chromium cleaned up: Not reported Copper cleaned up: Not reported Not reported Iron cleaned up: mercury cleaned up: Not reported nickel cleaned up: Not reported Not reported No clean up:

Direction Distance

Elevation Site Database(s) EPA ID Number

MID-STATE PLUMBING SUPPLY - IRWIN PROPERTY (Continued)

1014949179

EDR ID Number

Pesticides cleaned up: Not reported Not reported Selenium cleaned up: Not reported SVOCs cleaned up: Not reported Unknown clean up: Arsenic contaminant found: Not reported Not reported Cadmium contaminant found: Not reported Chromium contaminant found: Not reported Copper contaminant found: Not reported Iron contaminant found: Mercury contaminant found: Not reported Not reported Nickel contaminant found: Not reported No contaminant found: Pesticides contaminant found: Not reported Selenium contaminant found: Not reported SVOCs contaminant found: Not reported Unknown contaminant found: Not reported Not reported Future Use: Multistory Media affected Bluiding Material: Not reported Media affected indoor air: Not reported Building material media cleaned up: Not reported Indoor air media cleaned up: Not reported Unknown media cleaned up: Not reported Not reported Past Use: Multistory

Recipient name: Frankfort Community Public Library

Grant type: Cleanup

Property name: MID-STATE PLUMBING SUPPLY - IRWIN PROPERTY

Property #: 0160812600

Parcel size: .2

Property Description: Gas station, auto dealership, repair shop

Latitude: 40.2824 Longitude: -86.51982

HCM label: Address Matching-Block Face

Map scale: 1:50 feet

Point of reference: Entrance Point of a Facility or Station Datum: World Geodetic System of 1984

ACRES property ID: 15749
Start date: 31-MAR-05
Completed date: 01-OCT-07
Acres cleaned up: Not reported
Cleanup funding: 31468.62

Cleanup funding source: Private/Other Funding

Assessment funding: Not reported Assessment funding source: Not reported Redevelopment funding: 157103.34

Redev. funding source: Private/Other Funding

Redev. funding entity name: Private Grant Redevelopment start date: 08-JAN-05 Assessment funding entity: Not reported

Cleanup funding entity: Insurance company of previous property owner

Grant type:

Accomplishment type: Not reported

Accomplishment count:

Cooperative agreement #: 96554401
Ownership entity: Not reported

Current owner: Frankfort Community Public Library

Did owner change:

Direction Distance Elevation

Site Database(s) **EPA ID Number**

MID-STATE PLUMBING SUPPLY - IRWIN PROPERTY (Continued)

1014949179

EDR ID Number

Cleanup required: Yes Video available: No Photo available: Yes Institutional controls required: Υ

IC Category proprietary controls: Not reported

IC cat. info. devices: IC cat. gov. controls:

IC cat. enforcement permit tools: Not reported 01-NOV-04 IC in place date: IC in place: Yes

Not reported State/tribal program date: State/tribal program ID: Not reported State/tribal NFA date: Not reported Air contaminated: Not reported Air cleaned: Not reported Asbestos found: Not reported Not reported Asbestos cleaned: Controled substance found: Not reported Controled substance cleaned: Not reported Drinking water affected: Not reported Not reported Drinking water cleaned: Groundwater affected: Not reported

Groundwater cleaned:

Lead contaminant found: Not reported Lead cleaned up: Not reported Not reported No media affected: Unknown media affected: Not reported Other cleaned up: Not reported Other metals found: Not reported Not reported Other metals cleaned: Other contaminants found: Not reported Other contams found description: Not reported Not reported PAHs found: PAHs cleaned up: Not reported PCBs found: Not reported PCBs cleaned up: Not reported Petro products found: Not reported Petro products cleaned: Not reported Sediments found: Not reported

Not reported Soil cleaned up:

Sediments cleaned:

Soil affected:

Surface water cleaned: Not reported VOCs found: Not reported

Not reported

VOCs cleaned:

Cleanup other description: Not reported

Num. of cleanup and re-dev. jobs:

Past use greenspace acreage: Not reported Past use residential acreage: Not reported Not reported Past use commercial acreage: Past use industrial acreage: Not reported Future use greenspace acreage: Not reported Not reported Future use residential acreage:

Future use commercial acreage:

Future use industrial acreage: Not reported Greenspace acreage and type: Not reported Superfund Fed. landowner flag: Not reported

Direction Distance

Elevation Site Database(s) EPA ID Number

MID-STATE PLUMBING SUPPLY - IRWIN PROPERTY (Continued)

1014949179

EDR ID Number

Arsenic cleaned up: Not reported Cadmium cleaned up: Not reported Not reported Chromium cleaned up: Not reported Copper cleaned up: Iron cleaned up: Not reported Not reported mercury cleaned up: Not reported nickel cleaned up: Not reported No clean up: Pesticides cleaned up: Not reported Selenium cleaned up: Not reported Not reported SVOCs cleaned up: Not reported Unknown clean up: Arsenic contaminant found: Not reported Cadmium contaminant found: Not reported Chromium contaminant found: Not reported Copper contaminant found: Not reported Not reported Iron contaminant found: Mercury contaminant found: Not reported Nickel contaminant found: Not reported No contaminant found: Not reported Pesticides contaminant found: Not reported Selenium contaminant found: Not reported Not reported SVOCs contaminant found: Unknown contaminant found: Not reported Future Use: Multistory Not reported Not reported Media affected Bluiding Material: Media affected indoor air: Not reported Building material media cleaned up: Not reported Indoor air media cleaned up: Not reported Unknown media cleaned up: Not reported Past Use: Multistory Not reported

Recipient name: Frankfort Community Public Library

Grant type: Cleanup

Property name: MID-STATE PLUMBING SUPPLY - IRWIN PROPERTY

Property #: 0160812600

Parcel size: .2

Property Description: Gas station, auto dealership, repair shop

Latitude: 40.2824 Longitude: -86.51982

HCM label: Address Matching-Block Face

Map scale: 1:50 feet

Point of reference: Entrance Point of a Facility or Station
Datum: World Geodetic System of 1984

ACRES property ID: 15749
Start date: 31-MAR-05
Completed date: 01-OCT-07
Acres cleaned up: Not reported
Cleanup funding: 38111.71

Cleanup funding source: US EPA - Brownfields Cleanup Cooperative Agreement

Assessment funding:
Assessment funding:
Assessment funding source:
Redevelopment funding:
Redev. funding source:
Redev. funding source:
Redev. funding entity name:
Redevelopment start date:
Assessment funding entity:

Not reported

Direction Distance Elevation

Site Database(s) EPA ID Number

MID-STATE PLUMBING SUPPLY - IRWIN PROPERTY (Continued)

1014949179

EDR ID Number

Cleanup funding entity: EPA Grant type: H

Accomplishment type: Not reported

Accomplishment count: 0
Cooperative agreement #: 96554401
Ownership entity: Not reported

Current owner: Frankfort Community Public Library

Did owner change:

Cleanup required:

Video available:

Photo available:

Institutional controls required:

Yes

IC Category proprietary controls: Not reported

IC cat. info. devices: Y
IC cat. gov. controls: Y

IC cat. enforcement permit tools:
IC in place date:
O1-NOV-04
IC in place:
Yes

State/tribal program date: Not reported State/tribal program ID: Not reported State/tribal NFA date: Not reported Air contaminated: Not reported Not reported Air cleaned: Asbestos found: Not reported Asbestos cleaned: Not reported Not reported Controled substance found: Controled substance cleaned: Not reported Drinking water affected: Not reported Drinking water cleaned: Not reported Groundwater affected: Not reported

Groundwater cleaned: Y

Lead contaminant found: Not reported Lead cleaned up: Not reported No media affected: Not reported Unknown media affected: Not reported Not reported Other cleaned up: Other metals found: Not reported Other metals cleaned: Not reported Other contaminants found: Not reported Other contams found description: Not reported PAHs found: Not reported Not reported PAHs cleaned up: PCBs found: Not reported Not reported PCBs cleaned up: Not reported Petro products found: Petro products cleaned: Not reported Sediments found: Not reported Sediments cleaned: Not reported Soil affected: Not reported Soil cleaned up:

Surface water cleaned:

VOCs found:

Not reported
Not reported

VOCs cleaned: Y

Cleanup other description: Not reported

Num. of cleanup and re-dev. jobs:

Past use greenspace acreage: Not reported Past use residential acreage: Not reported

Past use commercial acreage:

Past use industrial acreage:

Direction Distance Elevation

vation Site Database(s) EPA ID Number

Not reported Not reported

MID-STATE PLUMBING SUPPLY - IRWIN PROPERTY (Continued)

1014949179

EDR ID Number

Not reported Future use greenspace acreage: Future use residential acreage: Not reported Future use commercial acreage: .1 Future use industrial acreage: Not reported Not reported Greenspace acreage and type: Superfund Fed. landowner flag: Not reported Arsenic cleaned up: Not reported Cadmium cleaned up: Not reported Not reported Chromium cleaned up: Not reported Copper cleaned up: Iron cleaned up: Not reported mercury cleaned up: Not reported nickel cleaned up: Not reported No clean up: Not reported Not reported Pesticides cleaned up: Selenium cleaned up: Not reported SVOCs cleaned up: Not reported Unknown clean up: Not reported Arsenic contaminant found: Not reported Cadmium contaminant found: Not reported Chromium contaminant found: Not reported Copper contaminant found: Not reported Iron contaminant found: Not reported Not reported Mercury contaminant found: Nickel contaminant found: Not reported No contaminant found: Not reported Pesticides contaminant found: Not reported Not reported Selenium contaminant found: SVOCs contaminant found: Not reported Unknown contaminant found: Not reported Future Use: Multistory Not reported Media affected Bluiding Material: Not reported Not reported Media affected indoor air: Building material media cleaned up: Not reported Indoor air media cleaned up: Not reported Unknown media cleaned up: Not reported Past Use: Multistory Not reported

Recipient name: Frankfort Community Public Library

Grant type: Cleanup

Property name: MID-STATE PLUMBING SUPPLY - IRWIN PROPERTY

Property #: 0160812600

Parcel size: .2

Property Description: Gas station, auto dealership, repair shop

Latitude: 40.2824 Longitude: -86.51982

HCM label: Address Matching-Block Face

Map scale: 1:50 feet

Point of reference: Entrance Point of a Facility or Station Datum: World Geodetic System of 1984

ACRES property ID: 15749
Start date: 31-MAR-05
Completed date: 01-OCT-07
Acres cleaned up: Not reported
Cleanup funding: 38111.71

Direction Distance Elevation

ion Site Database(s) EPA ID Number

MID-STATE PLUMBING SUPPLY - IRWIN PROPERTY (Continued)

1014949179

EDR ID Number

Cleanup funding source: US EPA - Brownfields Cleanup Cooperative Agreement

Assessment funding: Not reported Assessment funding source: Not reported Redevelopment funding: 9915

Redev. funding source:

Redev. funding entity name:

Redevelopment start date:

Assessment funding entity:

Cleanup funding entity:

Grant type:

Local Funding
Operating funds
08-JAN-05
Not reported
EPA
H

Accomplishment type: Not reported

Accomplishment count: 0
Cooperative agreement #: 96554401
Ownership entity: Not reported

Current owner: Frankfort Community Public Library

Did owner change:

Cleanup required:

Video available:

Photo available:

Institutional controls required:

Yes

IC Category proprietary controls: Not reported

IC cat. info. devices:

IC cat. gov. controls: Y

IC cat. enforcement permit tools:
IC in place date:
IC in place:

Not reported
01-NOV-04
Yes

IC in place: State/tribal program date: Not reported State/tribal program ID: Not reported State/tribal NFA date: Not reported Not reported Air contaminated: Air cleaned: Not reported Asbestos found: Not reported Not reported Asbestos cleaned: Controled substance found: Not reported Not reported Controled substance cleaned: Drinking water affected: Not reported Drinking water cleaned: Not reported Groundwater affected: Not reported

Groundwater cleaned: Y

Lead contaminant found: Not reported Not reported Lead cleaned up: Not reported No media affected: Unknown media affected: Not reported Not reported Other cleaned up: Other metals found: Not reported Other metals cleaned: Not reported Not reported Other contaminants found: Other contams found description: Not reported PAHs found: Not reported Not reported PAHs cleaned up: PCBs found: Not reported PCBs cleaned up: Not reported Petro products found: Not reported Petro products cleaned: Not reported Sediments found: Not reported Sediments cleaned: Not reported Soil affected: Not reported

Direction Distance Elevation

on Site Database(s) EPA ID Number

MID-STATE PLUMBING SUPPLY - IRWIN PROPERTY (Continued)

1014949179

EDR ID Number

Soil cleaned up:

Surface water cleaned:

VOCs found:

VOCs cleaned:

Not reported

Not reported

Y

Cleanup other description: Not reported

Num. of cleanup and re-dev. jobs:

Past use greenspace acreage:
Past use residential acreage:
Past use commercial acreage:
Past use industrial acreage:
Past use industrial acreage:
Past use greenspace acreage:
Not reported
Not reported
Not reported
Not reported
Not reported
Not reported

Future use commercial acreage: .1

Future use industrial acreage: Not reported Greenspace acreage and type: Not reported Superfund Fed. landowner flag: Not reported Not reported Arsenic cleaned up: Cadmium cleaned up: Not reported Chromium cleaned up: Not reported Copper cleaned up: Not reported Not reported Iron cleaned up: mercury cleaned up: Not reported nickel cleaned up: Not reported No clean up: Not reported Pesticides cleaned up: Not reported Not reported Selenium cleaned up: SVOCs cleaned up: Not reported Unknown clean up: Not reported Arsenic contaminant found: Not reported Not reported Cadmium contaminant found: Chromium contaminant found: Not reported Copper contaminant found: Not reported Not reported Iron contaminant found: Mercury contaminant found: Not reported Not reported Nickel contaminant found: Not reported No contaminant found: Pesticides contaminant found: Not reported Selenium contaminant found: Not reported SVOCs contaminant found: Not reported Unknown contaminant found: Not reported Not reported Future Use: Multistory Media affected Bluiding Material: Not reported Media affected indoor air: Not reported Building material media cleaned up: Not reported Indoor air media cleaned up: Not reported Unknown media cleaned up: Not reported Not reported Past Use: Multistory

Recipient name: Frankfort Community Public Library

Grant type: Cleanup

Property name: MID-STATE PLUMBING SUPPLY - IRWIN PROPERTY

Property #: 0160812600

Parcel size: .2

Property Description: Gas station, auto dealership, repair shop

Latitude: 40.2824 Longitude: -86.51982

HCM label: Address Matching-Block Face

Direction Distance

Elevation Site Database(s) **EPA ID Number**

MID-STATE PLUMBING SUPPLY - IRWIN PROPERTY (Continued)

1014949179

EDR ID Number

Map scale: 1:50 feet

Entrance Point of a Facility or Station Point of reference: World Geodetic System of 1984 Datum:

ACRES property ID: 15749 Start date: 31-MAR-05 01-OCT-07 Completed date: Acres cleaned up: Not reported Cleanup funding: 38111.71

Cleanup funding source: US EPA - Brownfields Cleanup Cooperative Agreement

Assessment funding: Not reported Assessment funding source: Not reported Redevelopment funding: 157103.34

Private/Other Funding Redev. funding source:

Redev. funding entity name: Private Grant Redevelopment start date: 08-JAN-05 Assessment funding entity: Not reported Cleanup funding entity: **EPA**

Grant type: Н

Accomplishment type: Not reported

Accomplishment count: 0

Cooperative agreement #: 96554401 Ownership entity: Not reported

Frankfort Community Public Library Current owner:

Did owner change: Cleanup required: Yes Video available: No Photo available: Yes Institutional controls required:

IC Category proprietary controls: Not reported

IC cat. info. devices: Υ IC cat. gov. controls:

IC cat. enforcement permit tools: Not reported IC in place date: 01-NOV-04 IC in place: Yes

State/tribal program date: Not reported State/tribal program ID: Not reported State/tribal NFA date: Not reported Air contaminated: Not reported Air cleaned: Not reported Asbestos found: Not reported Not reported Asbestos cleaned: Not reported Controled substance found: Controled substance cleaned: Not reported Not reported Drinking water affected: Drinking water cleaned: Not reported Groundwater affected: Not reported Groundwater cleaned:

Lead contaminant found: Not reported Lead cleaned up: Not reported Not reported No media affected: Unknown media affected: Not reported Other cleaned up: Not reported Not reported Other metals found: Other metals cleaned: Not reported Other contaminants found: Not reported Other contams found description: Not reported PAHs found: Not reported Map ID MAP FINDINGS Direction

Distance Elevation

Site Database(s) **EPA ID Number**

MID-STATE PLUMBING SUPPLY - IRWIN PROPERTY (Continued)

1014949179

EDR ID Number

PAHs cleaned up: Not reported PCBs found: Not reported PCBs cleaned up: Not reported Not reported Petro products found: Petro products cleaned: Not reported Sediments found: Not reported Sediments cleaned: Not reported Soil affected: Not reported

Soil cleaned up:

Surface water cleaned: Not reported VOCs found: Not reported

VOCs cleaned:

Cleanup other description: Not reported

Num. of cleanup and re-dev. jobs:

Past use greenspace acreage: Not reported Past use residential acreage: Not reported Not reported Past use commercial acreage: Past use industrial acreage: Not reported Future use greenspace acreage: Not reported Future use residential acreage: Not reported

Future use commercial acreage: .1 Future use industrial acreage: Not reported Not reported Greenspace acreage and type: Superfund Fed. landowner flag: Not reported Arsenic cleaned up: Not reported Not reported Cadmium cleaned up: Chromium cleaned up: Not reported Copper cleaned up: Not reported Iron cleaned up: Not reported mercury cleaned up: Not reported Not reported nickel cleaned up: No clean up: Not reported Pesticides cleaned up: Not reported Selenium cleaned up: Not reported Not reported SVOCs cleaned up: Not reported Unknown clean up: Arsenic contaminant found: Not reported Cadmium contaminant found: Not reported Chromium contaminant found: Not reported Not reported Copper contaminant found: Not reported Iron contaminant found: Mercury contaminant found: Not reported Nickel contaminant found: Not reported Not reported No contaminant found: Pesticides contaminant found: Not reported Selenium contaminant found: Not reported

Future Use: Multistory Not reported Not reported Media affected Bluiding Material: Media affected indoor air: Not reported Building material media cleaned up: Not reported

SVOCs contaminant found:

Unknown contaminant found:

Indoor air media cleaned up: Not reported Not reported Unknown media cleaned up: Past Use: Multistory Not reported

Recipient name: Frankfort Community Public Library

Not reported

Not reported

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

MID-STATE PLUMBING SUPPLY - IRWIN PROPERTY (Continued)

1014949179

Grant type: Cleanup

MID-STATE PLUMBING SUPPLY - IRWIN PROPERTY Property name:

Property #: 0160812600

Parcel size: .2

Property Description: Gas station, auto dealership, repair shop

40.2824 Latitude: Longitude: -86.51982

HCM label: Address Matching-Block Face

Map scale:

Point of reference: Entrance Point of a Facility or Station Datum: World Geodetic System of 1984

ACRES property ID: 15749 Start date: 31-MAR-05 Completed date: 01-OCT-07 Acres cleaned up: Not reported Cleanup funding: 112259.03

US EPA - Brownfields Cleanup Cooperative Agreement Cleanup funding source:

Assessment funding: Not reported Assessment funding source: Not reported Redevelopment funding: 294564.57 Redev. funding source: Local Funding Redev. funding entity name: Operating Fund 08-JAN-05 Redevelopment start date: Assessment funding entity: Not reported Cleanup funding entity: Not reported Grant type: Н Not reported

Accomplishment type:

Accomplishment count: Cooperative agreement #: 96554401 Ownership entity: Not reported

Current owner: Frankfort Community Public Library

Did owner change: Ν Cleanup required: Yes Video available: No Photo available: Yes Institutional controls required:

IC Category proprietary controls: Not reported

IC cat. info. devices: Υ IC cat. gov. controls: Υ

IC cat. enforcement permit tools: Not reported 01-NOV-04 IC in place date: IC in place: Yes State/tribal program date: Not reported

Not reported State/tribal program ID: State/tribal NFA date: Not reported Air contaminated: Not reported Air cleaned: Not reported Asbestos found: Not reported Asbestos cleaned: Not reported Controled substance found: Not reported Controled substance cleaned: Not reported Drinking water affected: Not reported Drinking water cleaned: Not reported Groundwater affected: Not reported

Groundwater cleaned:

Not reported Lead contaminant found: Lead cleaned up: Not reported Map ID MAP FINDINGS Direction

Distance Elevation

Site Database(s) **EPA ID Number**

MID-STATE PLUMBING SUPPLY - IRWIN PROPERTY (Continued)

1014949179

EDR ID Number

No media affected: Not reported Unknown media affected: Not reported Other cleaned up: Not reported Other metals found: Not reported Other metals cleaned: Not reported Other contaminants found: Not reported Other contams found description: Not reported Not reported PAHs found: PAHs cleaned up: Not reported PCBs found: Not reported Not reported PCBs cleaned up: Petro products found: Not reported Petro products cleaned: Not reported Sediments found: Not reported Sediments cleaned: Not reported Soil affected: Not reported

Soil cleaned up:

Surface water cleaned: Not reported VOCs found: Not reported

VOCs cleaned:

Cleanup other description: Not reported

Num. of cleanup and re-dev. jobs:

Past use greenspace acreage: Not reported Past use residential acreage: Not reported Past use commercial acreage: Not reported Not reported Past use industrial acreage: Future use greenspace acreage: Not reported Future use residential acreage: Not reported

Future use commercial acreage:

Future use industrial acreage: Not reported Greenspace acreage and type: Not reported Superfund Fed. landowner flag: Not reported Not reported Arsenic cleaned up: Cadmium cleaned up: Not reported Chromium cleaned up: Not reported Not reported Copper cleaned up: Iron cleaned up: Not reported mercury cleaned up: Not reported nickel cleaned up: Not reported No clean up: Not reported Pesticides cleaned up: Not reported Selenium cleaned up: Not reported SVOCs cleaned up: Not reported Not reported Unknown clean up: Arsenic contaminant found: Not reported Cadmium contaminant found: Not reported Not reported Chromium contaminant found: Copper contaminant found: Not reported Iron contaminant found: Not reported Not reported Mercury contaminant found: Nickel contaminant found: Not reported No contaminant found: Not reported Pesticides contaminant found: Not reported Not reported Selenium contaminant found: SVOCs contaminant found: Not reported Unknown contaminant found: Not reported Future Use: Multistory Not reported

Direction Distance Elevation

Site Database(s) **EPA ID Number**

MID-STATE PLUMBING SUPPLY - IRWIN PROPERTY (Continued)

1014949179

EDR ID Number

Media affected Bluiding Material: Not reported Media affected indoor air: Not reported Building material media cleaned up: Not reported Not reported Indoor air media cleaned up: Unknown media cleaned up: Not reported Past Use: Multistory Not reported

Recipient name: Frankfort Community Public Library

Grant type:

Property name: MID-STATE PLUMBING SUPPLY - IRWIN PROPERTY

Property #: 0160812600

Parcel size: .2

Property Description: Gas station, auto dealership, repair shop

Latitude: 40.2824 Longitude: -86.51982

HCM label: Address Matching-Block Face

Map scale: 1:50 feet

Point of reference: Entrance Point of a Facility or Station Datum: World Geodetic System of 1984

ACRES property ID: 15749 Start date: 31-MAR-05 Completed date: 01-OCT-07 Acres cleaned up: Not reported Cleanup funding: 112259.03

Cleanup funding source: US EPA - Brownfields Cleanup Cooperative Agreement Not reported

Assessment funding: Assessment funding source: Not reported Redevelopment funding: 9915 Redev. funding source: Local Funding Operating funds Redev. funding entity name: 08-JAN-05 Redevelopment start date: Assessment funding entity: Not reported Cleanup funding entity: Not reported

Grant type:

Accomplishment type: Not reported

Accomplishment count: Cooperative agreement #: 96554401

Ownership entity: Not reported

Frankfort Community Public Library Current owner:

Did owner change: Ν Cleanup required: Yes Video available: No Photo available: Yes Institutional controls required: Υ

IC Category proprietary controls: Not reported

IC cat. info. devices: Υ

IC cat. gov. controls:

IC cat. enforcement permit tools: Not reported IC in place date: 01-NOV-04 IC in place: Yes

State/tribal program date: Not reported State/tribal program ID: Not reported Not reported State/tribal NFA date: Air contaminated: Not reported Air cleaned: Not reported Asbestos found: Not reported Asbestos cleaned: Not reported Map ID MAP FINDINGS Direction

Distance Elevation

Site Database(s) **EPA ID Number**

MID-STATE PLUMBING SUPPLY - IRWIN PROPERTY (Continued)

1014949179

EDR ID Number

Controled substance found: Not reported Controled substance cleaned: Not reported Drinking water affected: Not reported Drinking water cleaned: Not reported Groundwater affected: Not reported Groundwater cleaned:

Lead contaminant found: Not reported Lead cleaned up: Not reported No media affected: Not reported Unknown media affected: Not reported Not reported Other cleaned up: Other metals found: Not reported Other metals cleaned: Not reported Other contaminants found: Not reported Other contams found description: Not reported PAHs found: Not reported Not reported PAHs cleaned up: PCBs found: Not reported PCBs cleaned up: Not reported Petro products found: Not reported Petro products cleaned: Not reported Sediments found: Not reported Sediments cleaned: Not reported Soil affected: Not reported

Soil cleaned up: Surface water cleaned: Not reported VOCs found: Not reported

VOCs cleaned:

Cleanup other description: Not reported

Num. of cleanup and re-dev. jobs:

Past use greenspace acreage: Not reported Past use residential acreage: Not reported Past use commercial acreage: Not reported Past use industrial acreage: Not reported Not reported Future use greenspace acreage: Not reported Future use residential acreage:

Future use commercial acreage:

Future use industrial acreage: Not reported Greenspace acreage and type: Not reported Superfund Fed. landowner flag: Not reported Not reported Arsenic cleaned up: Cadmium cleaned up: Not reported Chromium cleaned up: Not reported Not reported Copper cleaned up: Not reported Iron cleaned up: mercury cleaned up: Not reported nickel cleaned up: Not reported No clean up: Not reported Pesticides cleaned up: Not reported Not reported Selenium cleaned up: SVOCs cleaned up: Not reported Unknown clean up: Not reported Arsenic contaminant found: Not reported Not reported Cadmium contaminant found: Chromium contaminant found: Not reported Copper contaminant found: Not reported Iron contaminant found: Not reported

Direction Distance Elevation

on Site Database(s) EPA ID Number

MID-STATE PLUMBING SUPPLY - IRWIN PROPERTY (Continued)

1014949179

EDR ID Number

Mercury contaminant found: Not reported Nickel contaminant found: Not reported Not reported No contaminant found: Pesticides contaminant found: Not reported Selenium contaminant found: Not reported Not reported SVOCs contaminant found: Not reported Unknown contaminant found: Future Use: Multistory Not reported Media affected Bluiding Material: Not reported Media affected indoor air: Not reported Building material media cleaned up: Not reported Indoor air media cleaned up: Not reported Unknown media cleaned up: Not reported Past Use: Multistory Not reported

Recipient name: Frankfort Community Public Library

Grant type: Cleanup

Property name: MID-STATE PLUMBING SUPPLY - IRWIN PROPERTY

Property #: 0160812600

Parcel size: .2

Property Description: Gas station, auto dealership, repair shop

Latitude: 40.2824 Longitude: -86.51982

HCM label: Address Matching-Block Face

HCM label: Address I Map scale: 1:50 feet

Point of reference: Entrance Point of a Facility or Station
Datum: World Geodetic System of 1984

ACRES property ID: 15749
Start date: 31-MAR-05
Completed date: 01-OCT-07
Acres cleaned up: Not reported
Cleanup funding: 112259.03

Cleanup funding source: US EPA - Brownfields Cleanup Cooperative Agreement

Assessment funding: Not reported Assessment funding source: Not reported Redevelopment funding: 157103.34

Redev. funding source: Private/Other Funding

Redev. funding entity name:
Redevelopment start date:
Assessment funding entity:
Cleanup funding entity:

Private Grant
08-JAN-05
Not reported
Not reported

Grant type: H

Accomplishment type: Not reported

Accomplishment count: 0

Cooperative agreement #: 96554401 Ownership entity: Not reported

Current owner: Frankfort Community Public Library

Did owner change:
Cleanup required:
Video available:
Photo available:
Institutional controls required:

No
Yes

IC Category proprietary controls: Not reported

IC cat. info. devices: Y
IC cat. gov. controls: Y

IC cat. enforcement permit tools: Not reported IC in place date: 01-NOV-04

Direction Distance Elevation

Site Database(s) **EPA ID Number**

MID-STATE PLUMBING SUPPLY - IRWIN PROPERTY (Continued)

1014949179

EDR ID Number

IC in place: Yes State/tribal program date: Not reported State/tribal program ID: Not reported State/tribal NFA date: Not reported Air contaminated: Not reported Air cleaned: Not reported Asbestos found: Not reported Not reported Asbestos cleaned: Controled substance found: Not reported Controled substance cleaned: Not reported Not reported Drinking water affected: Drinking water cleaned: Not reported Groundwater affected: Not reported Groundwater cleaned:

Lead contaminant found: Not reported Lead cleaned up: Not reported Not reported No media affected: Unknown media affected: Not reported Other cleaned up: Not reported Other metals found: Not reported Other metals cleaned: Not reported Other contaminants found: Not reported Other contams found description: Not reported PAHs found: Not reported PAHs cleaned up: Not reported PCBs found: Not reported PCBs cleaned up: Not reported Petro products found: Not reported Petro products cleaned: Not reported Sediments found: Not reported Sediments cleaned: Not reported

Soil cleaned up:

Soil affected:

Surface water cleaned: Not reported VOCs found: Not reported

Not reported

VOCs cleaned:

Cleanup other description: Not reported

Num. of cleanup and re-dev. jobs:

Past use greenspace acreage: Not reported Past use residential acreage: Not reported Not reported Past use commercial acreage: Not reported Past use industrial acreage: Future use greenspace acreage: Not reported Not reported Future use residential acreage:

Future use commercial acreage: Future use industrial acreage: Not reported Greenspace acreage and type: Not reported Superfund Fed. landowner flag: Not reported Arsenic cleaned up: Not reported Not reported Cadmium cleaned up: Chromium cleaned up: Not reported Copper cleaned up: Not reported Iron cleaned up: Not reported mercury cleaned up: Not reported nickel cleaned up: Not reported No clean up: Not reported Pesticides cleaned up: Not reported

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

MID-STATE PLUMBING SUPPLY - IRWIN PROPERTY (Continued)

1014949179

LUST

UST

TIER 2

U004003032

N/A

Selenium cleaned up: Not reported SVOCs cleaned up: Not reported Not reported Unknown clean up: Arsenic contaminant found: Not reported Cadmium contaminant found: Not reported Not reported Chromium contaminant found: Not reported Copper contaminant found: Iron contaminant found: Not reported Mercury contaminant found: Not reported Nickel contaminant found: Not reported Not reported No contaminant found: Not reported Pesticides contaminant found: Not reported Selenium contaminant found: SVOCs contaminant found: Not reported Unknown contaminant found: Not reported Future Use: Multistory Not reported Media affected Bluiding Material: Not reported Media affected indoor air: Not reported Building material media cleaned up: Not reported Indoor air media cleaned up: Not reported Unknown media cleaned up: Not reported Past Use: Multistory Not reported

39 THE KAY COMPANY, INC. NE 509 W. BARNER ST. 1/4-1/2 FRANKFORT, IN 46041

0.265 mi. 1398 ft.

LUST: Relative:

Higher Facility ID: 13710 Incident Number: 199002533

Actual: Affected Area: Soil

860 ft. Discontinued (active) Description:

Priority: Low

UST:

13710 Facility ID: Owner Id: 1760

Company Name: Harmeson Manufacturing Co Inc

Mailing Address: 509 W Barner St Mailing Address 2: Not reported Mailing City, St, Zip: Frankfort, IN 46041

Tank Number:

Tank Status: **Permanently Out of Service**

Install Date: Not reported 10000 Tank Capacity: Substance Desc: Diesel

Tank Number:

Tank Status: **Permanently Out of Service**

Not reported Install Date: Tank Capacity: 500 Substance Desc: Gasoline

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

THE KAY COMPANY, INC. (Continued)

U004003032

Tank Number:

Permanently Out of Service Tank Status:

Not reported Install Date: 500 Tank Capacity: Substance Desc: Gasoline

Tank Number:

Tank Status: **Permanently Out of Service**

Install Date: Not reported Tank Capacity: 1000 Substance Desc: Gasoline

TIER 2:

Facility Id: 1012 SIC Code: 2499 Chemical Name: **Xylenes**

Chemical Info: CAS Num:1330207 Chemical Id:825 Submission Code:312

More Chemical Info: Max Daily Amt: 03 Quantity: 0 Container Type:

Location Description: Not reported

Storage Loc:North Building Storage Area Storage Loc2:South Building Storage Info:

Corner FR Room Storage Loc3: Storage Loc4 Max Daily Amt: 03

Facility Id: 1012 SIC Code: 2499 Chemical Name: n-Heptane

Chemical Info: CAS Num:142825 Chemical Id:446 Submission Code:312

More Chemical Info: Max Daily Amt: 03 Quantity: 0 Container Type:

Location Description: Not reported

Storage Loc:North Building Storage Area Storage Loc2:North Building Storage Info:

Storage Area & Waste Storage Area Storage Loc3: Storage Loc4 Max Daily

Amt: 03

1012 Facility Id: SIC Code: 2499 Chemical Name: Acetone

Chemical Info: CAS Num:67641 Chemical Id:8 Submission Code:312 More Chemical Info: Max Daily Amt: 03 Quantity: 0 Container Type:

Location Description: Not reported

Storage Info: Storage Loc: West side - North Building Storage Loc2: West Side - North

Building Storage Loc3: South Building Storage Loc4 Max Daily Amt: 03

Facility Id: 1012

LUST U000189684 40 **JOHN AKARD East 253 N COLUMBIA** UST N/A 1/4-1/2 FRANKFORT, IN 46041 **SPILLS**

0.265 mi. 1399 ft.

LUST: Relative:

11215 Facility ID: Lower

Incident Number: 198907030

Actual: Affected Area: Well Head Protection 854 ft. Description: Discontinued (active)

Direction Distance

Elevation Site Database(s) EPA ID Number

JOHN AKARD (Continued)

Priority: Low

Facility ID: 11215 Incident Number: 198907030 Affected Area: Soil

Description: Discontinued (active)

Priority: Low

UST:

Facility ID: 11215
Owner Id: 1890
Company Name: John Akard
Mailing Address: 2775 E Sr 28
Mailing Address 2: Not reported

Mailing City, St, Zip: Frankfort, IN 460419464

Tank Number:

Tank Status: Permanently Out of Service

Install Date: Not reported Tank Capacity: 3000 Substance Desc: Gasoline

Tank Number: 2

Tank Status: Permanently Out of Service

Install Date: Not reported Tank Capacity: 3000 Substance Desc: Gasoline

Tank Number: 3

Tank Status: Permanently Out of Service

Install Date: Not reported
Tank Capacity: 3000
Substance Desc: Gasoline

Tank Number: 4

Tank Status: Permanently Out of Service

Install Date: Not reported Tank Capacity: 1000 Substance Desc: Gasoline

Tank Number: 5

Tank Status: Permanently Out of Service

Install Date: Not reported Tank Capacity: 500 Substance Desc: Other

SPILL:

 Facility ID:
 198907030

 Incident Date:
 07/12/1989

 Report Date:
 07/12/1989

 Material:
 Gasoline

Spill Source: Leaking Underground Tank

EDR ID Number

U000189684

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

JOHN AKARD (Continued) U000189684

Recovered Amount: G 0.00 Recovered Units: Spilled Amount: 0.00 Spilled Units: Gallons Contained: Ν Water Affected: None Spill Type: Spill

Area Affected: Undetermined

Fish Killed: 0.00

Water Supply Affected: Not reported

Public Intake: U

S108530844 141 **DOMINOS PIZZA** AUL **ESE 304 W WALNUT ST BROWNFIELDS** N/A

1/4-1/2 0.267 mi.

1412 ft. Site 5 of 5 in cluster I

FRANKFORT, IN 46041

AUL: Relative:

IC TYPE: **Environmental Restrictive Covenant** Lower

Facility Id: 4070456

Actual: Program Area: BF

859 ft. Affected Media: Surface Soil; SubSurface Soil; Ground Water

11/10/2009 Date Ic Recorded: Description: Not reported

Control Method A: AUL - Agricultural or Food Crop

Coverage A: **Entire Property**

Chemicals Of Concern A: TPH - Total Petroleum Hydrocarbons; VOC - Volatile Organic Compounds

Comments A: Not reported

Control Method B: AUL - Ground Water Use Restriction

Coverage B: **Entire Property**

Chemicals Of Concern B: TPH - Total Petroleum Hydrocarbons; VOC - Volatile Organic Compounds

Comments B: Not reported

Control Method C: AUL - Residential Use Restriction

Coverage C: **Entire Property**

Chemicals Of Concern C: TPH - Total Petroleum Hydrocarbons; VOC - Volatile Organic Compounds

Comments C: Not reported Not reported Control Method D: Not reported Coverage D: Chemicals Of Concern D: Not reported Comments D: Not reported Control Method E: Not reported Coverage E: Not reported Not reported Chemicals Of Concern E: Comments E: Not reported

Control Method F: Not reported Coverage F: Not reported Chemicals Of Concern F: Not reported Comments F: Not reported Not reported Control Method G: Coverage G: Not reported Chemicals Of Concern G: Not reported Not reported Comments G: Control Method H: Not reported Not reported

Coverage H: Chemicals Of Concern H: Not reported Comments H: Not reported Control Method I: Not reported

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

DOMINOS PIZZA (Continued) S108530844

Coverage I: Not reported Chemicals Of Concern I: Not reported Comments I: Not reported

IN BROWNFIELD:

4070456 Facility ID:

William Wieringa Project Manager:

Al Id: 7819

LUST 1000757731 L42 **ADMIRAL PETROLEUM #159 ESE 253 W WALNUT** UST N/A

1/4-1/2 FRANKFORT, IN 46041 0.284 mi.

1502 ft. Site 1 of 2 in cluster L

LUST: Relative:

Facility ID: 7365 Lower Incident Number: 199002068

Actual: Affected Area: Well Head Protection

858 ft. Description: Active

Priority: High

7365 Facility ID: Incident Number: 199002068 Affected Area: Soil Description: Active Priority: High

Facility ID: 7365 Incident Number: 199002068 Affected Area: **MTBE** Description: Active Priority: High

Facility ID: 7365 Incident Number: 199002068 Affected Area: Groundwater Description: Active Priority: High

UST:

Facility ID: 7365 Owner Id: 19804

Company Name: Admiral Petroleum Company

Mailing Address: 785 W Randall St Mailing Address 2: 13 Randall St

Mailing City, St, Zip: Coopersville, MI 49404

Tank Number:

Currently in use Tank Status: 01/01/1972 Install Date: Tank Capacity: 10000 Substance Desc: Gasoline

Tank Number:

Tank Status: Currently in use

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

ADMIRAL PETROLEUM #159 (Continued)

1000757731

LUST

UST

U003968925

N/A

Install Date: 01/01/1972 10000 Tank Capacity: Substance Desc: Gasoline

Tank Number:

Tank Status: Currently in use Install Date: 01/01/1972 Tank Capacity: 10000 Substance Desc: Gasoline

Tank Number:

Tank Status: Currently in use 01/01/1972 Install Date: Tank Capacity: 6000 Substance Desc: Diesel

L43 PERSONAL FINANCE SITE **ESE SR 28 & COLUMBIA ST** 1/4-1/2 FRANKFORT, IN 46041

0.326 mi.

1720 ft. Site 2 of 2 in cluster L

LUST: Relative:

Facility ID: 16830 Lower Incident Number: 198911516

Actual: Affected Area: Well Head Protection 858 ft. Description: Discontinued (active)

Priority: Low

> 16830 Facility ID: Incident Number: 198911516

Affected Area: Soil

Description: Discontinued (active)

Priority: Low

UST:

16830 Facility ID: Owner Id: 9374

Company Name: Clinton Estates Inc C/O Bill Weay Po Box 557 Mailing Address:

Mailing Address 2: Not reported Mailing City, St, Zip: Frankfort, IN 46041

Tank Number:

Tank Status: **Permanently Out of Service**

Install Date: Not reported Tank Capacity: 8000 Substance Desc: Gasoline

Tank Number:

Tank Status: **Permanently Out of Service**

Install Date: Not reported 4000 Tank Capacity: Substance Desc: Gasoline

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

PERSONAL FINANCE SITE (Continued)

U003968925

Tank Number:

Tank Status: **Permanently Out of Service**

Install Date: Not reported Tank Capacity: 550 Substance Desc: Kerosene

M44 STEVENSON BROTHERS CLEANERS SPILLS S105776016

9 WEST MORRISON STREET

VCP N/A SCP

1/4-1/2 FRANKFORT, IN 46041

0.331 mi.

ENE

1748 ft. Site 1 of 2 in cluster M

Relative: Lower

SPILL:

Facility ID: 200301163 Incident Date: 01/27/2003 Report Date: 01/27/2003

Actual: 850 ft.

Material: drycleaning materials

Spill Source: Commercial Recovered Amount: Not reported Recovered Units: Not reported Spilled Amount: 1.00 Spilled Units: Gallons Contained: Not reported Water Affected: groundwater

Spill Type: Spill

Area Affected: ground and groundwater

Fish Killed: Not reported Water Supply Affected: Not reported

Public Intake: Ν

VCP:

Status: Active VRP Id Number: 6050504 Applicant Name: Janet Pillion LandUse Restrictions/Institutional Controls: Not reported Project Manager: Ridley Convenant Not To Sue Date: Not reported Not reported Certificate of Completion Date: New Coding Number: V50E0 App# Date: Not reported App# Acceptance: 06/22/2005 03/29/2006 VRA executed: RWP Received: 09/06/2006 RWP Approved: Not reported Comp Date: Not reported Comments: Not reported

SCP:

Facility Id: 000000152 Facility Type: Drycleaner Indicator Name: Inactive

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

45 **INGRAM RICHARDSON COMPANY CERCLIS** 1000353442 **WSW WALNUT AVE SR 28 & S PRAIRIE AVE** CORRACTS IND082287632

1/4-1/2 FRANKFORT, IN 46041 **RCRA NonGen / NLR** 0.333 mi. **MANIFEST** PRP 1757 ft.

CERCLIS: Relative:

0501533 Higher Site ID: EPA ID: IND082287632 Actual: Facility County: CLINTON 860 ft.

Short Name: INGRAM RICHARDSON COMPANY

Congressional District: 04 IFMS ID: 05JF Not reported SMSA Number: USGC Hydro Unit: 05120107

Federal Facility: Not a Federal Facility

DMNSN Number: 5.00000 Site Orphan Flag:

RCRA ID: Not reported **USGS** Quadrangle: Not reported Site Init By Prog: Not reported NFRAP Flag: Not reported Parent ID: Not reported RST Code:

EPA Region: 05 Classification: Other Site Settings Code: Not reported NPL Status: Not on the NPL DMNSN Unit Code: **ACRE** RBRAC Code: Not reported RResp Fed Agency Code: Not reported

Non NPL Status: Referred to Removal - NFRAP

Non NPL Status Date: 10/15/99 Site Fips Code: 18023 CC Concurrence Date:

CC Concurrence FY: Not reported Alias EPA ID: Not reported Not reported Site FUDS Flag:

CERCLIS Site Contact Name(s):

Contact ID: 5271194.00000 Contact Name: WILLIAM SIMES (312) 886-3337 Contact Tel:

Contact Title: On-Scene Coordinator (OSC)

Contact Email: Not reported

CERCLIS Site Alias Name(s):

Alias ID:

Alias Name: INGRAM RICHARDSON CO

Alias Address: Not reported CLINTON, IN

Alias ID: 202

Alias Name: INGRAM RICHARDSON CO

STE RD 28W Alias Address:

FRANKFORT, IN 46041

Alias Comments: Not reported

Site Description: VANDALIZED TRANSFORMER LEAKED CONCENTRAED PCB CONTAMINATED OIL ONTO ASPHALT

LOT. VANDALIZED TRANSFORMER LEAKED CONCENTRAED PCB CONTAMINATED OIL ONTO ASPHALT

Direction Distance Elevation

Site Database(s) **EPA ID Number**

INGRAM RICHARDSON COMPANY (Continued)

1000353442

EDR ID Number

LOT.

CERCLIS Assessment History:

Action Code:

DISCOVERY Action:

Date Started: Date Completed:

05/01/83 Not reported Priority Level: Operable Unit: **SITEWIDE**

Primary Responsibility: **EPA Fund-Financed** Planning Status: Not reported

Urgency Indicator: Not reported Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001

PRELIMINARY ASSESSMENT Action:

Date Started:

Date Completed: 05/29/85

Priority Level: Higher priority for further assessment

Operable Unit: SITEWIDE

Primary Responsibility: State, Fund Financed

Planning Status: Not reported Urgency Indicator: Not reported Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001

Action: SITE INSPECTION

Date Started:

Date Completed: 06/13/86

Priority Level: Higher priority for further assessment

Operable Unit: SITEWIDE

Primary Responsibility: **EPA Fund-Financed** Planning Status: Not reported Urgency Indicator: Not reported Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code:

HAZARD RANKING SYSTEM PACKAGE Action:

Date Started:

Date Completed: 12/08/86 Priority Level: Not reported Operable Unit: SITEWIDE

Primary Responsibility: **EPA Fund-Financed** Planning Status: Not reported Urgency Indicator: Not reported Not reported Action Anomaly:

For detailed financial records, contact EDR for a Site Report.:

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

INGRAM RICHARDSON COMPANY (Continued)

1000353442

Action Code: 001 REMOVAL Action: Date Started: 05/23/90 Date Completed: 07/06/90 Priority Level: Stabilized Operable Unit: **SITEWIDE**

Primary Responsibility: **EPA Fund-Financed**

Planning Status: Primary Urgency Indicator: Time Critical Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

005 Action Code:

Action: Notice Letters Issued

Date Started: // Date Completed: 11/05/90 Priority Level: Not reported Operable Unit: **SITEWIDE**

Primary Responsibility: Federal Enforcement

Planning Status: Not reported Urgency Indicator: Not reported Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 002

Action: SITE INSPECTION

Date Started: 01/31/92 Date Completed:

Priority Level: NFRAP-Site does not qualify for the NPL based on existing information

Operable Unit: **SITEWIDE**

Primary Responsibility: State, Fund Financed

Planning Status: Not reported Urgency Indicator: Not reported Not reported Action Anomaly:

For detailed financial records, contact EDR for a Site Report.:

Action Code: 003

Notice Letters Issued Action:

Date Started: Date Completed: 10/22/92 Priority Level: Not reported Operable Unit: SITEWIDE Primary Responsibility: **EPA Fund-Financed**

Planning Status: Not reported Urgency Indicator: Not reported Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 006

Action: Notice Letters Issued

Date Started: Date Completed: 10/22/92

Direction Distance

Elevation Site Database(s) EPA ID Number

INGRAM RICHARDSON COMPANY (Continued)

1000353442

EDR ID Number

Priority Level: Not reported Operable Unit: SITEWIDE

Primary Responsibility: Federal Enforcement

Planning Status: Not reported Urgency Indicator: Not reported Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 002
Action: REMOVAL
Date Started: 10/26/92
Date Completed: 09/29/94
Priority Level: Cleaned up
Operable Unit: SITEWIDE

Primary Responsibility: EPA Fund-Financed

Planning Status: Primary
Urgency Indicator: Time Critical
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 00°

Action: ISSUE REQUEST LETTERS (104E)

Date Started: / /

Date Completed: 06/05/97
Priority Level: Not reported
Operable Unit: SITEWIDE

Primary Responsibility: Federal Enforcement

Planning Status: Not reported Urgency Indicator: Not reported Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 002

Action: ISSUE REQUEST LETTERS (104E)

Date Started: /

Date Completed: 07/17/97
Priority Level: Not reported
Operable Unit: SITEWIDE

Primary Responsibility: Federal Enforcement

Planning Status: Not reported Urgency Indicator: Not reported Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 003

Action: ISSUE REQUEST LETTERS (104E)

Date Started: //
Date Completed: 08/12/97
Priority Level: Not reported
Operable Unit: SITEWIDE

Primary Responsibility: Federal Enforcement

Planning Status: Not reported

Direction Distance

Elevation Site Database(s) EPA ID Number

INGRAM RICHARDSON COMPANY (Continued)

1000353442

EDR ID Number

Urgency Indicator: Not reported Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 004

Action: Notice Letters Issued

Date Started: / /

Date Completed: 08/22/97
Priority Level: Not reported
Operable Unit: SITEWIDE

Primary Responsibility: Federal Enforcement

Planning Status: Not reported Urgency Indicator: Not reported Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 004

Action: ISSUE REQUEST LETTERS (104E)

Date Started: / /

Date Completed: 09/23/97
Priority Level: Not reported
Operable Unit: SITEWIDE

Primary Responsibility: Federal Enforcement

Planning Status: Not reported Urgency Indicator: Not reported Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001

Action: NON-NATIONAL PRIORITIES LIST POTENTIALLY RESPONSIBLE PARTY SEARCH

Date Started: 11/01/96
Date Completed: 09/30/97
Priority Level: Not reported
Operable Unit: SITEWIDE

Primary Responsibility: Federal Enforcement

Planning Status: Primary
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001

Action: ADMINISTRATIVE ORDER ON CONSENT

Date Started: /

Date Completed: 09/10/98
Priority Level: Not reported
Operable Unit: SITEWIDE

Primary Responsibility: Federal Enforcement

Planning Status: Not reported Urgency Indicator: Not reported Action Anomaly: Not reported

Direction Distance Elevation

Site Database(s) EPA ID Number

INGRAM RICHARDSON COMPANY (Continued)

1000353442

EDR ID Number

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001

Action: Lodged By DOJ

Date Started: / /

Date Completed: 06/30/99
Priority Level: Not reported
Operable Unit: SITEWIDE
Primary Responsibility: Not reported
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001

Action: CONSENT DECREE

Date Started: / /

Date Completed: 01/03/00
Priority Level: Not reported
Operable Unit: SITEWIDE

Primary Responsibility: Federal Enforcement

Planning Status: Not reported Urgency Indicator: Not reported Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Click this hyperlink while viewing on your computer to access 36 additional US CERCLIS Financial: record(s) in the EDR Site Report.

CORRACTS:

EPA ID: IND082287632

EPA Region: 05

Area Name: ENTIRE FACILITY

Actual Date: 20090501

Action: CA210SF - CA Responsibility Referred To A Non-RCRA Federal Authority,

Corrective Action at the facility or area referred to CERCLA

NAICS Code(s): Not reported
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: IND082287632

EPA Region: 05

Area Name: ENTIRE FACILITY

Actual Date: 19950526

Action: CA210SF - CA Responsibility Referred To A Non-RCRA Federal Authority,

Corrective Action at the facility or area referred to CERCLA

NAICS Code(s): Not reported Original schedule date: Not reported Schedule end date: Not reported

EPA ID: IND082287632

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

INGRAM RICHARDSON COMPANY (Continued)

1000353442

EPA Region: 05

ENTIRE FACILITY Area Name:

Actual Date: 19910927

CA075ME - CA Prioritization, Facility or area was assigned a medium Action:

corrective action priority

NAICS Code(s): Not reported Original schedule date: Not reported Schedule end date: Not reported

EPA ID: IND082287632

EPA Region: 05

ENTIRE FACILITY Area Name:

19880331 Actual Date:

Action: CA050 - RFA Completed

NAICS Code(s): Not reported Original schedule date: Not reported Schedule end date: Not reported

EPA ID: IND082287632

EPA Region: 05

Area Name: **ENTIRE FACILITY**

Actual Date: 19880331

CA070YE - RFA Determination Of Need For An RFI, RFI is Necessary Action:

NAICS Code(s): Not reported Original schedule date: Not reported Schedule end date: Not reported

RCRA NonGen / NLR:

Date form received by agency: 06/09/2004

INGRAM RICHARDSON CO Facility name:

Facility address: STATE RD 28 W

FRANKFORT, IN 46041

EPA ID: IND082287632 **PO BOX 577** Mailing address:

FRANKFORT, IN 46041

Contact: Not reported Contact address: Not reported Not reported

Contact country: US

Contact telephone: Not reported Contact email: Not reported

EPA Region:

Land type: Facility is not located on Indian land. Additional information is not known.

Classification: Non-Generator

Description: Handler: Non-Generators do not presently generate hazardous waste

Handler Activities Summary:

U.S. importer of hazardous waste: No Mixed waste (haz. and radioactive): No Recycler of hazardous waste: No Transporter of hazardous waste: No Treater, storer or disposer of HW: No Underground injection activity: No On-site burner exemption: No Furnace exemption: No Used oil fuel burner: No

Direction Distance

Elevation Site Database(s) EPA ID Number

INGRAM RICHARDSON COMPANY (Continued)

1000353442

EDR ID Number

Used oil processor:
User oil refiner:
No
Used oil fuel marketer to burner:
Used oil Specification marketer:
No
Used oil transfer facility:
No
Used oil transporter:
No

Historical Generators:

Date form received by agency: 11/21/1980

Site name: INGRAM RICHARDSON CO
Classification: Not a generator, verified

Date form received by agency: 11/21/1980

Site name: INGRAM RICHARDSON CO
Classification: Large Quantity Generator

Date form received by agency: 08/18/1980

Site name: INGRAM RICHARDSON CO
Classification: Not a generator, verified

Hazardous Waste Summary:

Waste code: D005 Waste name: BARIUM

Waste code: D000 Waste name: Not Defined

Waste code: D005 Waste name: BARIUM

Corrective Action Summary:

Event date: 03/31/1988
Event: RFA Completed

Event date: 03/31/1988

Event: RFA Determination Of Need For An RFI, RFI is Necessary;

Event date: 09/27/1991

Event: CA Prioritization, Facility or area was assigned a medium corrective

action priority.

Event date: 05/26/1995

Event: CA Responsibility Referred To A Non-RCRA Federal Authority, Corrective

Action at the facility or area referred to CERCLA.

Event date: 05/01/2009

Event: CA Responsibility Referred To A Non-RCRA Federal Authority, Corrective

Action at the facility or area referred to CERCLA.

Facility Has Received Notices of Violations: Regulation violated: FR - 265G

Area of violation: TSD - Closure/Post-Closure

Date violation determined: 09/20/1990
Date achieved compliance: 10/02/1990
Violation lead agency: State

Map ID MAP FINDINGS
Direction

Distance

Elevation Site Database(s) EPA ID Number

INGRAM RICHARDSON COMPANY (Continued)

1000353442

EDR ID Number

Enforcement action: STATE RCRA/REFER TO STATE SUPERF/REMEDIA

Enforcement action date: 10/02/1990
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported

Area of violation: TSD IS-Ground-Water Monitoring

Date violation determined: 06/26/1984
Date achieved compliance: 10/02/1990
Violation lead agency: State

Enforcement action: INITIAL 3008(A) COMPLIANCE

Enforcement action date: 09/11/1984
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 25000
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported

Area of violation: TSD - Closure/Post-Closure

Date violation determined: 06/26/1984
Date achieved compliance: 10/02/1990
Violation lead agency: State

Enforcement action: INITIAL 3008(A) COMPLIANCE

Enforcement action date: 09/11/1984
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 25000
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported

Area of violation: TSD - Financial Requirements

Date violation determined: 06/26/1984
Date achieved compliance: 10/02/1990
Violation lead agency: State

Enforcement action: INITIAL 3008(A) COMPLIANCE

Enforcement action date: 09/11/1984
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 25000
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 06/26/1984
Date achieved compliance: Violation lead agency: State

Enforcement action: INITIAL 3008(A) COMPLIANCE

Direction Distance

Elevation Site Database(s) EPA ID Number

INGRAM RICHARDSON COMPANY (Continued)

1000353442

EDR ID Number

Enforcement action date: 09/11/1984
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 25000
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:

Evaluation date: 09/20/1990

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation: TSD - Closure/Post-Closure

Date achieved compliance: 10/02/1990 Evaluation lead agency: State

Evaluation date: 08/16/1990

Evaluation: FINANCIAL RECORD REVIEW Area of violation: TSD - Financial Requirements

Date achieved compliance: 10/02/1990 Evaluation lead agency: State

Evaluation date: 09/26/1989

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation: TSD - Closure/Post-Closure

Date achieved compliance: 10/02/1990 Evaluation lead agency: State

Evaluation date: 08/30/1989

Evaluation: FINANCIAL RECORD REVIEW Area of violation: TSD - Financial Requirements

Date achieved compliance: 10/02/1990 Evaluation lead agency: State

Evaluation date: 08/16/1989

Evaluation: FINANCIAL RECORD REVIEW Area of violation: TSD - Financial Requirements

Date achieved compliance: 10/02/1990 Evaluation lead agency: State

Evaluation date: 09/15/1988

Evaluation: FINANCIAL RECORD REVIEW
Area of violation: TSD - Financial Requirements

Date achieved compliance: 10/02/1990 Evaluation lead agency: State

Evaluation date: 09/01/1988

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation:

Date achieved compliance:

Evaluation lead agency:

Not reported

Not reported

State

Evaluation date: 06/26/1984

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation: TSD - General Date achieved compliance: 10/02/1990 Evaluation lead agency: State

Direction Distance

Elevation Site Database(s) EPA ID Number

INGRAM RICHARDSON COMPANY (Continued)

1000353442

EDR ID Number

Evaluation date: 06/26/1984

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation: TSD - Closure/Post-Closure

Date achieved compliance: 10/02/1990 Evaluation lead agency: State

Evaluation date: 06/26/1984

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation: TSD - Financial Requirements

Date achieved compliance: 10/02/1990 Evaluation lead agency: State

Evaluation date: 06/26/1984

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation: TSD IS-Ground-Water Monitoring

Date achieved compliance: 10/02/1990 Evaluation lead agency: State

IN MANIFEST:

Year: Not reported
EPA ID: IND082287632
Tons Generated: Not reported
Tons Shipped OffSite: Not reported

Manifest Handler:

EPA Id #: IND082287632 Generator Type: Not reported

Generator Status:

Transporter Type: Code no longer valid

Transporter Status: Non Active
TSD Type: Not reported
TSD Status: Not reported

Handler Mailing Address:
Handler Mailing City/State/Zip:
Contact Name:
ONE NORTH CAPITOL AVE
INDIANAPOLIS, IN 46204
HARRY AFFLERBACH

Contact Telephone: 317-654-5525

Contact Type: A

Year: Not reported
EPA ID: IND082287632
Tons Generated: Not reported
Tons Shipped OffSite: Not reported

Year: Not reported
EPA ID: IND082287632
Tons Generated: Not reported
Tons Shipped OffSite: Not reported

PRP:

PRP name: 815 REALTY, INC

ALBERT A AUGUSTUS

AUGUSTUS & HOOK ASSOCIATES COUNTY OF CLINTON INDIANA

CUYAHOGA MANAGEMENT CORPORATION

EDWARD P CAWLEY

FRANKFORT MARKET PLACE FRANKFORT MARKET PLACE

Direction Distance

Distance Elevation Site EDR ID Number

EDR ID Number

EPA ID Number

INGRAM RICHARDSON COMPANY (Continued)

JACKSON AND MORRISON STREET

1000353442

HOOK ASSOCIATES JOHN B HOOK STRANGE, MR. KELLY STRANGE, MR. KELLY

M46 FRANKFORT MGP EDR MGP 1008408232

N/A

1/4-1/2 FRANKFORT, IN 46041

0.367 mi.

ENE

1938 ft. Site 2 of 2 in cluster M

Relative: Manufactured Gas Plants:

Lower Alternate Name:FRANKLIN GAS WORKS; INDIANA NATURAL ILLUMINATING GAS CO. No

additional information available

N47 INDOT 350 N JACKSON ST SCP \$110752920

East 350 N JACKSON ST N/A

1/4-1/2 FRANKFORT, IN 46041

0.399 mi.

2109 ft. Site 1 of 3 in cluster N

Relative: SCP:

Lower Facility Id: 201119607
Facility Type: Municipal
Actual: Indicator Name: Inactive

840 ft.

N48 FRANKFORT MGP VCP S106784452

East 358 N. JACKSON N/A

1/4-1/2 FRANKFORT, IN

0.401 mi.

2118 ft. Site 2 of 3 in cluster N

Relative: VCP:

Lower Status: Active VRP Id Number: 6040702

Actual: Applicant Name: Northern Indiana Public Service Company

839 ft. LandUse Restrictions/Institutional Controls: Not reported

VRA executed: 01/30/2004
RWP Received: Not reported
RWP Approved: Not reported
Comp Date: Not reported
Comments: Not reported

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

N49 **BLOOMS BROOMS** LUST S110358066 **ENE 401 N JACKSON** SCP N/A

1/4-1/2 FRANKFORT, IN 46041

0.407 mi.

2148 ft. Site 3 of 3 in cluster N

LUST: Relative:

19315 Facility ID: Lower Incident Number: 199307076

Actual: Affected Area: Well Head Protection

836 ft. Description: Discontinued (active)

Priority:

Facility ID: 19315 Incident Number: 199307076 Affected Area: Soil

Description: Discontinued (active)

Priority: Low

SCP:

Facility Id: 200909043 Facility Type: Commercial Indicator Name: Active

O50 57 NORTH JACKSON STREET US BROWNFIELDS 1016456478 East **57 NORTH JACKSON STREET FINDS** N/A

1/4-1/2 FRANKFORT, IN 46041

0.426 mi.

2249 ft. Site 1 of 3 in cluster O

US BROWNFIELDS: Relative:

Recipient name: Clinton County Lower Grant type: Assessment

Actual: Property name: 57 NORTH JACKSON STREET

843 ft. 121010281001000021 Property #:

> Parcel size: .2

Property Description: Not reported Latitude: 40.28143499999999 -86.51032699999996 Longitude:

HCM label: Address Matching-House Number

Map scale: Not reported

Point of reference: Entrance Point of a Facility or Station Datum: North American Datum of 1983

165261 ACRES property ID: Not reported Start date: Completed date: Not reported Acres cleaned up: Not reported Cleanup funding: Not reported Cleanup funding source: Not reported

Assessment funding: 3000

Assessment funding source: US EPA - Brownfields Assessment Cooperative Agreement

Redevelopment funding: Not reported Not reported Redev. funding source: Redev. funding entity name: Not reported Redevelopment start date: Not reported Assessment funding entity: EPA Cleanup funding entity: Not reported

Grant type: Η

Accomplishment type: Phase I Environmental Assessment

Distance EDR ID Number
Elevation Site EDR ID Number
Database(s) EPA ID Number

57 NORTH JACKSON STREET (Continued)

1016456478

Accomplishment count:

Cooperative agreement #:

Ownership entity:

Current owner:

Did owner change:

Cleanup required:

Video available:

Not reported

Unknown

Not reported

Photo available: Not reported Institutional controls required: IC Category proprietary controls: Not reported IC cat. info. devices: Not reported IC cat. gov. controls: Not reported IC cat. enforcement permit tools: Not reported IC in place date: Not reported IC in place: Not reported State/tribal program date: Not reported State/tribal program ID: Not reported State/tribal NFA date: Not reported Air contaminated: Not reported Air cleaned: Not reported Not reported Asbestos found: Asbestos cleaned: Not reported Controled substance found: Not reported Controled substance cleaned: Not reported Drinking water affected: Not reported Not reported Drinking water cleaned: Groundwater affected: Not reported Groundwater cleaned: Not reported Lead contaminant found: Not reported Not reported Lead cleaned up: No media affected: Not reported Unknown media affected: Not reported Other cleaned up: Not reported Other metals found: Not reported Not reported Other metals cleaned: Not reported Other contaminants found: Other contams found description: Not reported PAHs found: Not reported PAHs cleaned up: Not reported PCBs found: Not reported Not reported PCBs cleaned up: Not reported Petro products found: Petro products cleaned: Not reported Not reported Sediments found: Sediments cleaned: Not reported Soil affected: Not reported Soil cleaned up: Not reported Surface water cleaned: Not reported VOCs found: Not reported Not reported VOCs cleaned: Cleanup other description: Not reported Num. of cleanup and re-dev. jobs: Not reported Not reported Past use greenspace acreage: Past use residential acreage: Not reported Past use commercial acreage: Not reported Past use industrial acreage: Not reported

Future use greenspace acreage:

Not reported

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

57 NORTH JACKSON STREET (Continued)

1016456478

Future use residential acreage: Not reported Not reported Future use commercial acreage: Not reported Future use industrial acreage: Not reported Greenspace acreage and type: Superfund Fed. landowner flag: Not reported Arsenic cleaned up: Not reported Not reported Cadmium cleaned up: Not reported Chromium cleaned up: Copper cleaned up: Not reported Iron cleaned up: Not reported mercury cleaned up: Not reported nickel cleaned up: Not reported No clean up: Not reported Pesticides cleaned up: Not reported Selenium cleaned up: Not reported SVOCs cleaned up: Not reported Not reported Unknown clean up: Arsenic contaminant found: Not reported Cadmium contaminant found: Not reported Chromium contaminant found: Not reported Not reported Copper contaminant found: Iron contaminant found: Not reported Mercury contaminant found: Not reported Nickel contaminant found: Not reported No contaminant found: Not reported Not reported Pesticides contaminant found: Selenium contaminant found: Not reported SVOCs contaminant found: Not reported Unknown contaminant found: Not reported Not reported Future Use: Multistory Media affected Bluiding Material: Not reported Media affected indoor air: Not reported Building material media cleaned up: Not reported Indoor air media cleaned up: Not reported Unknown media cleaned up: Not reported Past Use: Multistory Not reported

FINDS:

Registry ID: 110057002979

Environmental Interest/Information System

US EPA Assessment, Cleanup and Redevelopment Exchange System (ACRES)

is an federal online database for Brownfields Grantees to

electronically submit data directly to EPA.

O51 FORMER WATERWORKS PROPERTY **East 260 EAST WASHINGTON STREET**

US BROWNFIELDS 1016456797

FINDS N/A

1/4-1/2 0.433 mi.

2288 ft. Site 2 of 3 in cluster O

FRANKFORT, IN 46041

US BROWNFIELDS: Relative:

Recipient name: Clinton County Grant type: Assessment

Actual: FORMER WATERWORKS PROPERTY Property name:

840 ft.

Lower

Direction Distance

Elevation Site Database(s) EPA ID Number

FORMER WATERWORKS PROPERTY (Continued)

1016456797

EDR ID Number

Property #: 121010276009000021

Parcel size: .2

Property Description: Not reported 40.281937

Longitude: -86.50964899999997

HCM label: Address Matching-House Number

Map scale: Not reported

Point of reference: Entrance Point of a Facility or Station
Datum: North American Datum of 1983

ACRES property ID: 165262
Start date: Not reported
Completed date: Not reported
Acres cleaned up: Not reported
Cleanup funding: Not reported
Cleanup funding source: Not reported
Assessment funding: 3000

Assessment funding source: US EPA - Brownfields Assessment Cooperative Agreement

Redevelopment funding:
Redev. funding source:
Redev. funding entity name:
Redevelopment start date:
Assessment funding entity:

Not reported
Not reported
Not reported
EPA

Cleanup funding entity: Not reported

Grant type: H

Accomplishment type: Phase I Environmental Assessment

Accomplishment count:

Cooperative agreement #: 00E01090
Ownership entity: Not reported
Current owner: Not reported
Did owner change: Not reported
Cleanup required: Unknown
Video available: Not reported
Photo available: Not reported

Institutional controls required: L

IC Category proprietary controls: Not reported Not reported IC cat. info. devices: Not reported IC cat. gov. controls: IC cat. enforcement permit tools: Not reported IC in place date: Not reported IC in place: Not reported Not reported State/tribal program date: State/tribal program ID: Not reported State/tribal NFA date: Not reported Not reported Air contaminated: Not reported Air cleaned: Asbestos found: Not reported Asbestos cleaned: Not reported Controled substance found: Not reported Controled substance cleaned: Not reported Not reported Drinking water affected: Drinking water cleaned: Not reported Groundwater affected: Not reported Not reported Groundwater cleaned: Lead contaminant found: Not reported Lead cleaned up: Not reported No media affected: Not reported Unknown media affected: Not reported Map ID MAP FINDINGS
Direction

Distance Elevation Site

Database(s)

FORMER WATERWORKS PROPERTY (Continued)

1016456797

EDR ID Number

EPA ID Number

Other cleaned up: Not reported Other metals found: Not reported Not reported Other metals cleaned: Other contaminants found: Not reported Other contams found description: Not reported PAHs found: Not reported PAHs cleaned up: Not reported Not reported PCBs found: PCBs cleaned up: Not reported Petro products found: Not reported Not reported Petro products cleaned: Not reported Sediments found: Sediments cleaned: Not reported Soil affected: Not reported Soil cleaned up: Not reported Surface water cleaned: Not reported VOCs found: Not reported VOCs cleaned: Not reported Cleanup other description: Not reported Num. of cleanup and re-dev. jobs: Not reported Past use greenspace acreage: Not reported Past use residential acreage: Not reported Past use commercial acreage: Not reported Past use industrial acreage: Not reported Future use greenspace acreage: Not reported Not reported Future use residential acreage: Future use commercial acreage: Not reported Future use industrial acreage: Not reported Greenspace acreage and type: Not reported Superfund Fed. landowner flag: Not reported Arsenic cleaned up: Not reported Cadmium cleaned up: Not reported Chromium cleaned up: Not reported Copper cleaned up: Not reported Not reported Iron cleaned up: mercury cleaned up: Not reported nickel cleaned up: Not reported No clean up: Not reported Pesticides cleaned up: Not reported Selenium cleaned up: Not reported SVOCs cleaned up: Not reported Unknown clean up: Not reported Arsenic contaminant found: Not reported Not reported Cadmium contaminant found: Not reported Chromium contaminant found: Copper contaminant found: Not reported Not reported Iron contaminant found: Mercury contaminant found: Not reported Nickel contaminant found: Not reported Not reported No contaminant found: Pesticides contaminant found: Not reported Selenium contaminant found: Not reported SVOCs contaminant found: Not reported Not reported Unknown contaminant found: Future Use: Multistory Not reported Media affected Bluiding Material: Not reported Media affected indoor air: Not reported

Direction Distance

Distance Elevation Site EDR ID Number

Database(s) EPA ID Number

FORMER WATERWORKS PROPERTY (Continued)

1016456797

Building material media cleaned up: Not reported Indoor air media cleaned up: Not reported Unknown media cleaned up: Not reported Past Use: Multistory Not reported

FINDS:

Registry ID: 110057002988

Environmental Interest/Information System

US EPA Assessment, Cleanup and Redevelopment Exchange System (ACRES)

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P52 IRVING MATERIALS INC FRANKFORT LUST 1000515142 ESE SR 28 W UST N/A

1/4-1/2 FRANKFORT, IN 46041

0.442 mi.

2333 ft. Site 1 of 4 in cluster P

Relative: LUST:

Lower Facility ID: 4288 Incident Number: 199410527

Actual: Affected Area: Soil

849 ft. Description: Discontinued (active)

Priority: Low

UST:

Facility ID: 4288 Owner Id: 3027

Company Name: Irving Materials Inc Mailing Address: 8032 N Sr 9 Mailing Address 2: Not reported

Mailing City,St,Zip: Greenfield, IN 46140

Tank Number:

Tank Status: Permanently Out of Service

Install Date: Not reported Tank Capacity: 10000 Substance Desc: Diesel

53 CREEKSIDE PROPERTY US BROWNFIELDS 1016456649
East 260 EAST CLINTON STREET FINDS N/A

1/4-1/2 FRANKFORT, IN 46041

0.448 mi. 2367 ft.

Relative: US BROWNFIELDS:

Lower Recipient name: Clinton County
Grant type: Assessment

 Actual:
 Property name:
 CREEKSIDE PROPERTY

 844 ft.
 Property #:
 121010281015000021

Parcel size: .14

Property Description: Not reported

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

CREEKSIDE PROPERTY (Continued)

1016456649

Latitude: 40.280947 -86.509615 Longitude:

HCM label: Address Matching-House Number

Map scale: Not reported

Point of reference: Entrance Point of a Facility or Station North American Datum of 1983 Datum:

ACRES property ID: 165263 Start date: Not reported Not reported Completed date: Acres cleaned up: Not reported Cleanup funding: Not reported Cleanup funding source: Not reported Assessment funding: 3000

Assessment funding source: US EPA - Brownfields Assessment Cooperative Agreement

Redevelopment funding: Not reported Redev. funding source: Not reported Not reported Redev. funding entity name: Redevelopment start date: Not reported Assessment funding entity: **EPA**

Cleanup funding entity: Not reported

Grant type: Н

Accomplishment type: Phase I Environmental Assessment

Accomplishment count:

Cooperative agreement #: 00E01090 Ownership entity: Not reported Current owner: Not reported Did owner change: Not reported Cleanup required: Unknown Video available: Not reported Photo available: Not reported

Institutional controls required:

IC Category proprietary controls: Not reported IC cat. info. devices: Not reported IC cat. gov. controls: Not reported Not reported IC cat. enforcement permit tools: Not reported IC in place date: Not reported IC in place: State/tribal program date: Not reported State/tribal program ID: Not reported State/tribal NFA date: Not reported Not reported Air contaminated: Not reported Air cleaned: Asbestos found: Not reported Not reported Asbestos cleaned: Not reported Controled substance found: Controled substance cleaned: Not reported Drinking water affected: Not reported Drinking water cleaned: Not reported Groundwater affected: Not reported Not reported Groundwater cleaned: Lead contaminant found: Not reported Lead cleaned up: Not reported Not reported No media affected: Unknown media affected: Not reported Other cleaned up: Not reported Other metals found: Not reported Other metals cleaned: Not reported Map ID MAP FINDINGS
Direction

Distance Elevation Site

_____Database(s)

CREEKSIDE PROPERTY (Continued)

1016456649

EDR ID Number

EPA ID Number

Other contaminants found: Not reported Not reported Other contams found description: PAHs found: Not reported PAHs cleaned up: Not reported PCBs found: Not reported PCBs cleaned up: Not reported Petro products found: Not reported Not reported Petro products cleaned: Sediments found: Not reported Sediments cleaned: Not reported Not reported Soil affected: Not reported Soil cleaned up: Surface water cleaned: Not reported VOCs found: Not reported VOCs cleaned: Not reported Cleanup other description: Not reported Not reported Num. of cleanup and re-dev. jobs: Past use greenspace acreage: Not reported Past use residential acreage: Not reported Past use commercial acreage: Not reported Not reported Past use industrial acreage: Future use greenspace acreage: Not reported Future use residential acreage: Not reported Future use commercial acreage: Not reported Future use industrial acreage: Not reported Not reported Greenspace acreage and type: Superfund Fed. landowner flag: Not reported Arsenic cleaned up: Not reported Cadmium cleaned up: Not reported Chromium cleaned up: Not reported Not reported Copper cleaned up: Iron cleaned up: Not reported mercury cleaned up: Not reported nickel cleaned up: Not reported Not reported No clean up: Pesticides cleaned up: Not reported Selenium cleaned up: Not reported SVOCs cleaned up: Not reported Unknown clean up: Not reported Arsenic contaminant found: Not reported Cadmium contaminant found: Not reported Chromium contaminant found: Not reported Copper contaminant found: Not reported Not reported Iron contaminant found: Not reported Mercury contaminant found: Nickel contaminant found: Not reported Not reported No contaminant found: Pesticides contaminant found: Not reported Selenium contaminant found: Not reported Not reported SVOCs contaminant found: Unknown contaminant found: Not reported Future Use: Multistory Not reported Media affected Bluiding Material: Not reported Media affected indoor air: Not reported Building material media cleaned up: Not reported Indoor air media cleaned up: Not reported Unknown media cleaned up: Not reported

MAP FINDINGS Map ID

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

CREEKSIDE PROPERTY (Continued)

1016456649

Past Use: Multistory Not reported

FINDS:

Registry ID: 110057002997

Environmental Interest/Information System

US EPA Assessment, Cleanup and Redevelopment Exchange System (ACRES)

is an federal online database for Brownfields Grantees to

electronically submit data directly to EPA.

O54 EGELHOFF CHEVROLET INC LUST 1000514210 300 E WASHINGTON ST UST **East** N/A

1/4-1/2 FRANKFORT, IN 46041

0.456 mi.

2408 ft. Site 3 of 3 in cluster O

LUST: Relative:

Facility ID: 13903 Lower Incident Number: 199105542

Actual: Affected Area: Well Head Protection

841 ft. Description: Active Priority: Low

> Facility ID: 13903 Incident Number: 199105542 Affected Area: Soil Description: Active Priority: Low

UST:

Facility ID: 13903 Owner Id: 1600

Company Name: Clinton County Commisioner's Office

Mailing Address: 300 E Washington St Mailing Address 2: Not reported Mailing City, St, Zip: Frankfort, IN 46041

Tank Number:

Tank Status: **Permanently Out of Service**

Install Date: Not reported Tank Capacity: 30 Substance Desc: Unknown

Tank Number:

Tank Status: **Permanently Out of Service**

Install Date: Not reported

Tank Capacity: Substance Desc: Unknown

Direction Distance

Elevation Site Database(s) EPA ID Number

55 FRANKFORT BULK TERMINAL SPILLS S103020657
NNE 1009 ROSSVILLE RD SCP N/A

NNE 1009 ROSSVILLE RD 1/4-1/2 FRANKFORT, IN 46041

0.462 mi. 2437 ft.

Relative: SPILL:

Lower Facility ID: 199511125

Spill Source: Co Recovered Amount: G

Recovered Units: Not reported Spilled Amount: 2200.00 Spilled Units: Gallons Contained: N

Water Affected: Storm Sewer

Spill Type: Spill

Area Affected: Not reported Fish Killed: 0.00

Water Supply Affected: Not reported

Public Intake: N

SCP:

Facility Id: 199511125 Facility Type: Bulk Plant Indicator Name: Active

 P56
 KEENEYS AMOCO
 LUST
 U004002014

 ESE
 201 S JACKSON
 UST
 N/A

1/4-1/2 0.465 mi.

2454 ft. Site 2 of 4 in cluster P

Relative: LUST:

Lower Facility ID: 1030

Incident Number: 199312546

FRANKFORT, IN 46041

Actual: Affected Area: Well Head Protection 849 ft. Description: NFA-Conditional Closure

Priority: Medium

Facility ID: 1030 Incident Number: 199312546 Affected Area: Soil

Description: NFA-Conditional Closure Priority: Medium

Facility ID: 1030 Incident Number: 199312546

Description: NFA-Conditional Closure

Groundwater

Priority: Medium

Affected Area:

UST:

Facility ID: 1030 Owner Id: 6075

Company Name: Good Oil Company Incorporated

Mailing Address: 1201 N Us 35

EDR ID Number

Direction Distance Elevation

stance EDR ID Number evation Site Database(s) EPA ID Number

KEENEYS AMOCO (Continued)

U004002014

Mailing Address 2: Not reported
Mailing City, St, Zip: Winamac, IN 46996

Tank Number:

Tank Status: Permanently Out of Service

Install Date: Not reported Tank Capacity: 10000 Substance Desc: Gasoline

Tank Number: 2

Tank Status: Permanently Out of Service

Install Date: Not reported
Tank Capacity: 8000
Substance Desc: Gasoline

Tank Number:

Tank Status: Permanently Out of Service

Install Date: Not reported Tank Capacity: 6000 Substance Desc: Gasoline

Tank Number:

Tank Status: Permanently Out of Service

Install Date: 12/01/1970
Tank Capacity: 550
Substance Desc: Used Oil

Tank Number: 5

Tank Status: Permanently Out of Service

Install Date: 12/01/1994
Tank Capacity: 12000
Substance Desc: Gasoline

Tank Number: 6

Tank Status: Permanently Out of Service

Install Date: 12/01/1994
Tank Capacity: 8000
Substance Desc: Gasoline

Tank Number:

Tank Status: Permanently Out of Service

Install Date: 12/01/1994
Tank Capacity: 8000
Substance Desc: Gasoline

MAP FINDINGS Map ID

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

P57 **CVS STORE 6667 BROWNFIELDS** S111679017

N/A

ESE 209 S JACKSON ST 1/4-1/2 FRANKFORT, IN 46041

0.467 mi.

2465 ft. Site 3 of 4 in cluster P

IN BROWNFIELD: Relative:

4120206 Lower Facility ID:

Project Manager: Tracy Concannon Actual: Al Id: 104597

849 ft.

P58 **CVS STORE 6667 WALNUT ST** BROWNFIELDS \$113482522 **ESE**

251 E WALNUT ST N/A

1/4-1/2 FRANKFORT, IN 46041

0.471 mi.

2487 ft. Site 4 of 4 in cluster P

IN BROWNFIELD: Relative:

Facility ID: 4130509 Lower

Project Manager: Tracy Concannon 106552

Actual: Al Id:

843 ft.

59 **AUTOZONE** SWRCY S109949422

East 356 E. WASHINGTON ST. N/A

1/4-1/2 FRANKFORT, IN 46041

0.495 mi. 2616 ft.

SWRCY: Relative:

Program Company: Not reported Lower

Program Contact Name: Not reported Actual: Address: Not reported 845 ft. City: Not reported

State: Not reported Not reported Zip: Contact Phone: Not reported County: Not reported Entity Type: Not reported Sites Notes: Not reported Not reported Customers: Motor Oil Materials Accepted:

Website: Not reported Not reported Contact Name: Not reported Manufacturer: Not reported Processor: Broker: Not reported Other: Not reported Automotive Fluids: Not reported Not reported Batteries:

Construction/Related Products Not reported Electronics/Related Products: Not reported Glass: Not reported Industrial Materials: Not reported Metals: Not reported Not reported Paper:

Plastics: Not reported Rubber: Not reported Textiles: Not reported

MAP FINDINGS Map ID

Direction Distance

Elevation Site Database(s) **EPA ID Number**

AUTOZONE (Continued) S109949422

Wood/Organics: Not reported

Program Company: Not reported Program Contact Name: Not reported Address: Not reported City: Not reported State: Not reported Zip: Not reported Contact Phone: Not reported County: Not reported Entity Type: Not reported Sites Notes: Not reported Customers: Not reported

Materials Accepted: Leadacid Batteries (automobile)

Website: Not reported Contact Name: Not reported Not reported Manufacturer: Processor: Not reported Broker: Not reported Other: Not reported Automotive Fluids: Not reported Batteries: Not reported Construction/Related Products:Not reported Electronics/Related Products: Not reported Glass: Not reported Industrial Materials: Not reported Metals: Not reported Paper: Not reported Plastics: Not reported Not reported Rubber: Textiles: Not reported Wood/Organics: Not reported

60 **BROCK GRAIN SYSTEMS A DIV OF CTB RCRA-TSDF** 1000825513 wsw 1750 W SR 28 CORRACTS IND985048255

1/2-1 FRANKFORT, IN 46041 0.704 mi. 3717 ft.

FINDS MANIFEST AIRS

RCRA-CESQG

Relative:

RCRA-TSDF: Higher

Date form received by agency: 01/29/2010

Actual: Facility name: BROCK GRAIN SYSTEMS A DIV OF CTB 860 ft.

Facility address: 1750 W SR 28

FRANKFORT, IN 46041

EPA ID: IND985048255 DINAH L GOODNIGHT Contact:

1750 W SR 28 Contact address: FRANKFORT, IN 46041

Contact country: US

Contact telephone: (765) 654-8517 Contact email: Not reported EPA Region: 05

Land type: Private Classification: **TSDF**

Description: Handler is engaged in the treatment, storage or disposal of hazardous

waste

Classification: Conditionally Exempt Small Quantity Generator **EDR ID Number**

Map ID MAP FINDINGS Direction

Distance Elevation

Site Database(s) **EPA ID Number**

BROCK GRAIN SYSTEMS A DIV OF CTB (Continued)

1000825513

EDR ID Number

Description: Handler: generates 100 kg or less of hazardous waste per calendar

month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely

hazardous waste

Owner/Operator Summary:

Owner/operator name: CTB INC Owner/operator address: PO BOX 2000

MILFORD, IN 46542

Owner/operator country: Not reported Owner/operator telephone: (574) 658-4191

Legal status:

Owner/operator name:

Private Owner 01/01/0001

BROCK MFG

Owner/Operator Type: Owner/Op start date: Owner/Op end date: Not reported

Owner/operator address: Not reported Not reported Owner/operator country: Not reported Owner/operator telephone: Not reported Legal status: Private Owner/Operator Type: Operator

Owner/Op start date: 06/02/2003 Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No Mixed waste (haz. and radioactive): No Recycler of hazardous waste: Nο Transporter of hazardous waste: No Treater, storer or disposer of HW: No Underground injection activity: No On-site burner exemption: No Furnace exemption: No Used oil fuel burner: No Used oil processor: No User oil refiner: No Used oil fuel marketer to burner: No Used oil Specification marketer: No Used oil transfer facility: No Used oil transporter: No

Universal Waste Summary:

Waste type: Batteries Accumulated waste on-site: No

Direction Distance

Elevation Site Database(s) EPA ID Number

BROCK GRAIN SYSTEMS A DIV OF CTB (Continued)

1000825513

EDR ID Number

Generated waste on-site: Not reported

Waste type: Lamps Accumulated waste on-site: No

Generated waste on-site: Not reported

Waste type: Pesticides Accumulated waste on-site: No

Generated waste on-site: Not reported

Waste type: Thermostats

Accumulated waste on-site: No

Generated waste on-site: Not reported

Historical Generators:

Date form received by agency: 08/21/2006

Site name: BROCK GRAIN SYSTEMS A DIV OF CTB

Classification: Small Quantity Generator

Date form received by agency: 06/02/2003
Site name: BROCK MFG

Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 04/25/2002

Site name: BEARD INDUSTRIES
Classification: Small Quantity Generator

Date form received by agency: 10/02/1992

Site name: BEARD INDUSTRIES
Classification: Small Quantity Generator

Hazardous Waste Summary:

Waste code: D001

Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF

LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT

WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: D002

Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS

CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

Waste code: D001

Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF

LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE

Direction Distance

Elevation Site Database(s) EPA ID Number

BROCK GRAIN SYSTEMS A DIV OF CTB (Continued)

1000825513

EDR ID Number

MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: D007
Waste name: CHROMIUM

Waste code: F003

Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL

ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL

ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT

MIXTURES.

Waste code: D001

Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF

LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT

WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: D007
Waste name: CHROMIUM

Waste code: F003

Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL

ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL

ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT

MIXTURES.

Corrective Action Summary:

Event date: 05/01/2009

Event: RFA Determination Of Need For An RFI, RFI is Not Necessary;

Facility Has Received Notices of Violations:

Regulation violated: Not reported

Area of violation: Used Oil - Generators

Date violation determined: 08/19/2009
Date achieved compliance: 09/03/2009
Violation lead agency: State

Enforcement action: WRITTEN INFORMAL

Enforcement action date: 09/03/2009
Enf. disposition status: Not reported
Enf. disp. status date: Not reported

Direction Distance

Elevation Site Database(s) EPA ID Number

BROCK GRAIN SYSTEMS A DIV OF CTB (Continued)

1000825513

EDR ID Number

Enforcement lead agency:
Proposed penalty amount:
Final penalty amount:
Paid penalty amount:

Not reported
Not reported

Regulation violated: FR - 261.5

Area of violation: Generators - General

Date violation determined: 02/08/2001
Date achieved compliance: 04/28/2003
Violation lead agency: State

Enforcement action: WRITTEN INFORMAL

Enforcement action date:

Enf. disposition status:

Enf. disp. status date:

Enforcement lead agency:

Proposed penalty amount:

Final penalty amount:

Paid penalty amount:

Not reported

Not reported

Not reported

Not reported

Not reported

Not reported

Regulation violated: FR - 261.5

Area of violation: Generators - General

Date violation determined: 02/08/2001
Date achieved compliance: 04/28/2003
Violation lead agency: State

Enforcement action: FINAL 3008(A) COMPLIANCE ORDER

Enforcement action date: 12/11/2001
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 8550
Paid penalty amount: 8550

Regulation violated: FR - 261.5

Area of violation: Generators - General

Date violation determined: 02/08/2001
Date achieved compliance: 04/28/2003
Violation lead agency: State

Enforcement action: PROPOSED AGREED ORDER (PAO) SENT

Enforcement action date: 12/03/2001
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Paid penalty amount: Not reported
Not reported

Evaluation Action Summary:

Evaluation date: 08/19/2009

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation: Used Oil - Generators

Date achieved compliance: 09/03/2009 Evaluation lead agency: State

Evaluation date: 04/10/2003

Evaluation: COMPLIANCE SCHEDULE EVALUATION

Area of violation: Generators - General

Map ID MAP FINDINGS
Direction

Distance

Elevation Site Database(s) EPA ID Number

BROCK GRAIN SYSTEMS A DIV OF CTB (Continued)

1000825513

EDR ID Number

Date achieved compliance: 04/28/2003 Evaluation lead agency: State

Evaluation date: 02/08/2001

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation: Generators - General

Date achieved compliance: 04/28/2003 Evaluation lead agency: State

CORRACTS:

EPA ID: IND985048255

EPA Region: 05

Area Name: ENTIRE FACILITY

Actual Date: 20090501

Action: CA070NO - RFA Determination Of Need For An RFI, RFI is Not Necessary

NAICS Code(s): 333111

Farm Machinery and Equipment Manufacturing

Original schedule date: Not reported Schedule end date: Not reported

FINDS:

Registry ID: 110058534171

Environmental Interest/Information System

STATE MASTER

Registry ID: 110006008603

Environmental Interest/Information System

US EPA TRIS (Toxics Release Inventory System) contains information from facilities on the amounts of over 300 listed toxic chemicals that these facilities release directly to air, water, land, or that are transported off-site.

IN-FRS (Indiana - Facility Registry System). The Indiana Department of Environmental Management (I-DEM) has implemented the Indiana-Facility Registry System (I-FRS). The I-FRS provides the interface and processes to link facility data monitored by multiple State and EPA program systems. In addition, I-FRS enables IDEM to reconcile environmental data and exchange it with EPA FRS using the electronic data exchange over the Network Node.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Registry ID: 110057538614

Environmental Interest/Information System
OSHA ESTABLISHMENT

MAP FINDINGS Map ID

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

BROCK GRAIN SYSTEMS A DIV OF CTB (Continued)

1000825513

IN MANIFEST:

Not reported Year: EPA ID: IND985048255 Tons Generated: Not reported Tons Shipped OffSite: Not reported

Manifest Handler:

EPA Id #: IND985048255

Generator Type: SQG

Generator Status: Active Handler Transporter Type: Code no longer valid

Transporter Status: Non Active TSD Type: Not reported TSD Status: Not reported 1750 W SR 28 Handler Mailing Address:

FRANKFORT, IN 46041 Handler Mailing City/State/Zip: Contact Name: DINAH L GOODNIGHT

765-654-4517 Contact Telephone:

Contact Type: **Environmental Coordinator**

Submitted Records:

EPA Id: IND985048255 Report Type: Annual report

DINAH L GOODNIGHT Contact Name:

765-654-8517 Phone: Contact Address: 1750 W SR 28 Contact Address2: Not reported

Contact City/State/Zip: FRANKFORT, IN 46041

Waste Report:

EPA Id: IND985048255 Annual report Report Type:

Page #: Amount Generated: 0

Generated Unit Of Measure: Not reported Amount Shipped: 1155 Shipped Unit Of Measure: pounds

TSD Id: IND093219012

HERITAGE ENVIRONMENTAL SERVICES LLC TSD Name:

System Type: H061 Source Code: Not reported Form Code: Not reported

Description: WASTE FLAMMABLE LIQUIDS

EPA Id: IND985048255 Report Type: Annual report

Page #: Amount Generated: 0

Generated Unit Of Measure: Not reported Amount Shipped: 366 Shipped Unit Of Measure: pounds TSD Id: IND093219012

TSD Name: HERITAGE ENVIRONMENTAL SERVICES LLC

System Type: H077 Source Code: Not reported Form Code: Not reported

Direction Distance

Elevation Site Database(s) EPA ID Number

BROCK GRAIN SYSTEMS A DIV OF CTB (Continued)

1000825513

EDR ID Number

Description: WASTE CORROSIVE LIQUID, ACIDIC, INORGANIC, PHOSPHORIC ACID

EPA Id: IND985048255
Report Type: Annual report

Page #: 3
Amount Generated: 0

Generated Unit Of Measure: Not reported Amount Shipped: 3851
Shipped Unit Of Measure: pounds IND093219012

TSD Name: HERITAGE ENVIRONMENTAL SERVICES LLC

System Type: H141
Source Code: Not reported
Form Code: Not reported

Description: HAZ WASTE, SOLID, CHROMIUM

Year: Not reported
EPA ID: IND985048255
Tons Generated: Not reported
Tons Shipped OffSite: Not reported

Year: Not reported
EPA ID: IND985048255
Tons Generated: Not reported
Tons Shipped OffSite: Not reported

Year: Not reported
EPA ID: IND985048255
Tons Generated: Not reported
Tons Shipped OffSite: Not reported

Year: Not reported
EPA ID: IND985048255
Tons Generated: Not reported
Tons Shipped OffSite: Not reported

<u>Click this hyperlink</u> while viewing on your computer to access additional IN MANIFEST: detail in the EDR Site Report.

AIRS:

Status: Issued
Source ID: 023-00034
Responsible Official Name: Janet Mobley
Responsible Official Phone: 317-234-5373
SIC Code: 3523

023-23181-00034 * Permit ID: Permit Level: Permit By Rule Subtype Qualifier: Not reported 08/03/2006 Issue Date: End Date: Not reported Source Contact: Dan Burnette Application Received Start Date: 06/05/2006 Application Received End Date: Not reported Public Notice Begins Start Date: Not reported Public Notice Begins End Date: Not reported Proposed Internet Upload Start Date: Not reported

Map ID MAP FINDINGS Direction

Distance Elevation Site

Site Database(s)

s) EPA ID Number

EDR ID Number

BROCK GRAIN SYSTEMS A DIV OF CTB (Continued)

1000825513

Proposed Internet Upload End Date: Not reported

URL: http://www.in.gov/apps/idem/caats/searchByld.jspx?id=23181

MAX of Year: Not reported County FIPS: Not reported Not reported Not reported Individual Plant ID: Latitude: Not reported Longitude: SIC Primary: Not reported NAICS Primary: Not reported CO: Not reported NOX: Not reported PM10: Not reported SO2: Not reported Not reported VOC:

Count: 7 records. ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
FRANKFORT	S105776456	FRANKFORT PUBLIC LIBRARY EXPANSION	251 & 255 & 257 & 301 W WASHIN	4604	1 BROWNFIELDS
FRANKFORT		FRANKFORT PUBLIC LIBRARY EXPANSION	51 & 255 & 257 & 301 W WASHING	4604	
FRANKFORT	1016808257	FRANKFORT PUBLIC LIBRARY EXPANSION	251 & 255 & 257 & 301 W WASHIN	4604	1 FINDS
FRANKFORT	S105202578	UNR-ROHN	184 S. CLINTON CR 200 WEST		VCP
FRANKFORT	1003872855	WILDCAT CREEK DUMP	1 MILE EAST OF CR 130 W ON N C	4604	1 CERC-NFRAP
FRANKFORT	1015734002	DARLING-DELAWARE COMPANY, INC.	SOUTH OF INTER, CR 200 NORTH,	4604	1 CERC-NFRAP
FRANKFORT	U003969195	FREEPORT TRANSPORT INC	PRAIRIE AVE	4604	1 LUST, UST

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 09/29/2014 Source: EPA
Date Data Arrived at EDR: 10/08/2014 Telephone: N/A

Date Made Active in Reports: 11/17/2014 Last EDR Contact: 10/08/2014

Number of Days to Update: 40 Next Scheduled EDR Contact: 01/19/2015
Data Release Frequency: Quarterly

NPL Site Boundaries

Sources

EPA's Environmental Photographic Interpretation Center (EPIC)

Telephone: 202-564-7333

EPA Region 1 EPA Region 6

Telephone 617-918-1143 Telephone: 214-655-6659

EPA Region 3 EPA Region 7

Telephone 215-814-5418 Telephone: 913-551-7247

EPA Region 4 EPA Region 8

Telephone 404-562-8033 Telephone: 303-312-6774

EPA Region 5 EPA Region 9

Telephone 312-886-6686 Telephone: 415-947-4246

EPA Region 10

Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 09/29/2014
Date Data Arrived at EDR: 10/08/2014

Date Made Active in Reports: 11/17/2014

Number of Days to Update: 40

Source: EPA Telephone: N/A

Last EDR Contact: 10/08/2014

Next Scheduled EDR Contact: 01/19/2015 Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991 Date Data Arrived at EDR: 02/02/1994 Date Made Active in Reports: 03/30/1994

Number of Days to Update: 56

Source: EPA

Telephone: 202-564-4267 Last EDR Contact: 08/15/2011

Next Scheduled EDR Contact: 11/28/2011 Data Release Frequency: No Update Planned

Federal Delisted NPL site list

DELISTED NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 09/29/2014 Date Data Arrived at EDR: 10/08/2014 Date Made Active in Reports: 11/17/2014

Number of Days to Update: 40

Source: EPA Telephone: N/A

Last EDR Contact: 10/08/2014

Next Scheduled EDR Contact: 01/19/2015 Data Release Frequency: Quarterly

Federal CERCLIS list

CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System

CERCLIS contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 10/25/2013 Date Data Arrived at EDR: 11/11/2013 Date Made Active in Reports: 02/13/2014

Number of Days to Update: 94

Source: EPA Telephone: 703-412-9810

Last EDR Contact: 11/24/2014

Next Scheduled EDR Contact: 03/09/2015 Data Release Frequency: Quarterly

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 07/21/2014 Date Data Arrived at EDR: 10/07/2014 Date Made Active in Reports: 10/20/2014

Number of Days to Update: 13

Source: Environmental Protection Agency

Telephone: 703-603-8704 Last EDR Contact: 10/07/2014

Next Scheduled EDR Contact: 01/19/2015 Data Release Frequency: Varies

Federal CERCLIS NFRAP site List

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned

Archived sites are sites that have been removed and archived from the inventory of CERCLIS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

Date of Government Version: 10/25/2013 Date Data Arrived at EDR: 11/11/2013 Date Made Active in Reports: 02/13/2014

Number of Days to Update: 94

Source: EPA

Telephone: 703-412-9810 Last EDR Contact: 11/24/2014

Next Scheduled EDR Contact: 03/09/2015 Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 06/10/2014 Date Data Arrived at EDR: 07/02/2014 Date Made Active in Reports: 09/18/2014

Number of Days to Update: 78

Source: EPA

Telephone: 800-424-9346 Last EDR Contact: 12/29/2014

Next Scheduled EDR Contact: 04/13/2015 Data Release Frequency: Quarterly

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 06/10/2014 Date Data Arrived at EDR: 07/02/2014 Date Made Active in Reports: 09/18/2014 Number of Days to Update: 78

Telephone: 312-886-6186 Last EDR Contact: 12/29/2014

Next Scheduled EDR Contact: 04/13/2015 Data Release Frequency: Quarterly

Source: Environmental Protection Agency

Federal RCRA generators list

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 06/10/2014 Date Data Arrived at EDR: 07/02/2014 Date Made Active in Reports: 09/18/2014

Number of Days to Update: 78

Source: Environmental Protection Agency

Telephone: 312-886-6186 Last EDR Contact: 12/29/2014

Next Scheduled EDR Contact: 04/13/2015 Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 06/10/2014 Date Data Arrived at EDR: 07/02/2014 Date Made Active in Reports: 09/18/2014

Number of Days to Update: 78

Source: Environmental Protection Agency

Telephone: 312-886-6186 Last EDR Contact: 12/29/2014

Next Scheduled EDR Contact: 04/13/2015 Data Release Frequency: Quarterly

RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 06/10/2014 Date Data Arrived at EDR: 07/02/2014 Date Made Active in Reports: 09/18/2014

Number of Days to Update: 78

Source: Environmental Protection Agency

Telephone: 312-886-6186 Last EDR Contact: 12/29/2014

Next Scheduled EDR Contact: 04/13/2015 Data Release Frequency: Varies

Federal institutional controls / engineering controls registries

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 09/18/2014 Date Data Arrived at EDR: 09/19/2014 Date Made Active in Reports: 10/20/2014

Number of Days to Update: 31

Source: Environmental Protection Agency

Telephone: 703-603-0695 Last EDR Contact: 12/03/2014

Next Scheduled EDR Contact: 03/16/2015 Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 09/18/2014 Date Data Arrived at EDR: 09/19/2014 Date Made Active in Reports: 10/20/2014

Number of Days to Update: 31

Source: Environmental Protection Agency

Telephone: 703-603-0695 Last EDR Contact: 12/03/2014

Next Scheduled EDR Contact: 03/16/2015 Data Release Frequency: Varies

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 08/29/2014 Date Data Arrived at EDR: 10/09/2014 Date Made Active in Reports: 10/20/2014

Number of Days to Update: 11

Source: Department of the Navy Telephone: 843-820-7326 Last EDR Contact: 11/17/2014

Next Scheduled EDR Contact: 03/02/2015 Data Release Frequency: Varies

Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 09/29/2014 Date Data Arrived at EDR: 09/30/2014 Date Made Active in Reports: 11/06/2014

Number of Days to Update: 37

Source: National Response Center, United States Coast Guard

Telephone: 202-267-2180 Last EDR Contact: 12/29/2014

Next Scheduled EDR Contact: 04/13/2015 Data Release Frequency: Annually

State- and tribal - equivalent CERCLIS

SHWS: List of Hazardous Waste Response Sites Scored Using the Indiana Scoring Model

List of hazardous waste response sites scored utilizing the Indiana Scoring Model. The Indiana Scoring Model is a method of prioritizing, for state response actions, those hazardous substances response sites which are not on the National Priorities List. The ISM serves as the Commissioners management tool to address those sites which pose the most significant threat to human health and the environment in addition to assuring the departments resources are allocated accordingly.

Date of Government Version: 03/01/2007 Date Data Arrived at EDR: 08/27/2007 Date Made Active in Reports: 09/18/2007

Number of Days to Update: 22

Source: Department of Environmental Management

Telephone: 317-308-3052 Last EDR Contact: 11/25/2014

Next Scheduled EDR Contact: 03/16/2015 Data Release Frequency: No Update Planned

State and tribal landfill and/or solid waste disposal site lists

SWF/LF: Permitted Solid Waste Facilities

Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites

Date of Government Version: 09/02/2014 Date Data Arrived at EDR: 09/19/2014 Date Made Active in Reports: 10/20/2014

Number of Days to Update: 31

Source: Department of Environmental Management

Telephone: 317-232-0066 Last EDR Contact: 12/15/2014

Next Scheduled EDR Contact: 03/30/2015 Data Release Frequency: Semi-Annually

OPEN DUMPS: Open Dump Waste Sites

Open Dumps are sites that are not regulated and are illegal dump sites of solid waste, as defined by IAC 10-2-28 329 and IAC 10-2-128 of the Indiana Administrative Code.

Date of Government Version: 06/26/2009 Date Data Arrived at EDR: 12/11/2013 Date Made Active in Reports: 01/20/2014

Number of Days to Update: 40

Source: Department of Environmental Management

Telephone: 317-232-8726 Last EDR Contact: 12/08/2014

Next Scheduled EDR Contact: 03/23/2015 Data Release Frequency: Varies

State and tribal leaking storage tank lists

LUST: Lust Leaking Underground Storage Tank List

Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state.

Date of Government Version: 11/01/2014 Date Data Arrived at EDR: 12/01/2014 Date Made Active in Reports: 12/11/2014

Number of Days to Update: 10

Source: Department of Environmental Management

Telephone: 317-232-8900 Last EDR Contact: 12/01/2014

Next Scheduled EDR Contact: 03/16/2015 Data Release Frequency: Annually

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land

Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 11/03/2014 Date Data Arrived at EDR: 11/05/2014 Date Made Active in Reports: 11/17/2014

Number of Days to Update: 12

Source: EPA, Region 5 Telephone: 312-886-7439 Last EDR Contact: 10/27/2014

Next Scheduled EDR Contact: 02/09/2015 Data Release Frequency: Varies

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 11/04/2014 Date Data Arrived at EDR: 11/07/2014 Date Made Active in Reports: 11/17/2014

Number of Days to Update: 10

Source: EPA Region 8 Telephone: 303-312-6271 Last EDR Contact: 10/27/2014

Next Scheduled EDR Contact: 02/09/2015 Data Release Frequency: Quarterly

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 05/20/2014 Date Data Arrived at EDR: 06/10/2014 Date Made Active in Reports: 08/22/2014

Number of Days to Update: 73

Source: EPA Region 10 Telephone: 206-553-2857 Last EDR Contact: 10/27/2014

Next Scheduled EDR Contact: 02/09/2015 Data Release Frequency: Quarterly

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 03/01/2013 Date Data Arrived at EDR: 03/01/2013 Date Made Active in Reports: 04/12/2013

Number of Days to Update: 42

Source: Environmental Protection Agency

Telephone: 415-972-3372 Last EDR Contact: 10/27/2014

Next Scheduled EDR Contact: 02/09/2015 Data Release Frequency: Quarterly

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 05/22/2014 Date Data Arrived at EDR: 08/22/2014 Date Made Active in Reports: 09/18/2014

Number of Days to Update: 27

Source: EPA Region 7 Telephone: 913-551-7003 Last EDR Contact: 10/27/2014

Next Scheduled EDR Contact: 02/09/2015 Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 10/06/2014 Date Data Arrived at EDR: 10/29/2014 Date Made Active in Reports: 11/17/2014

Number of Days to Update: 19

Source: EPA Region 6 Telephone: 214-665-6597 Last EDR Contact: 10/27/2014

Next Scheduled EDR Contact: 02/09/2015 Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 07/30/2014 Date Data Arrived at EDR: 08/12/2014 Date Made Active in Reports: 08/22/2014

Number of Days to Update: 10

Source: EPA Region 4 Telephone: 404-562-8677 Last EDR Contact: 10/27/2014

Next Scheduled EDR Contact: 02/09/2015 Data Release Frequency: Semi-Annually

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 02/01/2013
Date Data Arrived at EDR: 05/01/2013
Date Made Active in Reports: 11/01/2013

Number of Days to Update: 184

Source: EPA Region 1 Telephone: 617-918-1313 Last EDR Contact: 10/31/2014

Next Scheduled EDR Contact: 02/09/2015 Data Release Frequency: Varies

State and tribal registered storage tank lists

UST: Indiana Registered Underground Storage Tanks

Registered Underground Storage Tanks. UST's are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA) and must be registered with the state department responsible for administering the UST program. Available information varies by state program.

Date of Government Version: 11/01/2014 Date Data Arrived at EDR: 12/01/2014 Date Made Active in Reports: 12/16/2014

Number of Days to Update: 15

Source: Department of Environmental Management

Telephone: 317-308-3008 Last EDR Contact: 12/01/2014

Next Scheduled EDR Contact: 03/16/2015 Data Release Frequency: Quarterly

INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 08/20/2014 Date Data Arrived at EDR: 08/22/2014 Date Made Active in Reports: 09/18/2014

Number of Days to Update: 27

Source: EPA Region 7 Telephone: 913-551-7003 Last EDR Contact: 10/27/2014

Next Scheduled EDR Contact: 02/09/2015 Data Release Frequency: Varies

INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 11/03/2014 Date Data Arrived at EDR: 11/05/2014 Date Made Active in Reports: 11/17/2014

Number of Days to Update: 12

Source: EPA Region 5 Telephone: 312-886-6136 Last EDR Contact: 10/27/2014

Next Scheduled EDR Contact: 02/09/2015 Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 07/30/2014 Date Data Arrived at EDR: 08/12/2014 Date Made Active in Reports: 08/22/2014

Number of Days to Update: 10

Source: EPA Region 4 Telephone: 404-562-9424 Last EDR Contact: 10/27/2014

Next Scheduled EDR Contact: 02/09/2015 Data Release Frequency: Semi-Annually

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 02/01/2013 Date Data Arrived at EDR: 05/01/2013 Date Made Active in Reports: 01/27/2014

Number of Days to Update: 271

Source: EPA, Region 1 Telephone: 617-918-1313 Last EDR Contact: 10/31/2014

Next Scheduled EDR Contact: 02/09/2015 Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 11/04/2014 Date Data Arrived at EDR: 11/07/2014 Date Made Active in Reports: 11/17/2014

Number of Days to Update: 10

Source: EPA Region 8 Telephone: 303-312-6137 Last EDR Contact: 10/27/2014

Next Scheduled EDR Contact: 02/09/2015 Data Release Frequency: Quarterly

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 08/14/2014 Date Data Arrived at EDR: 08/15/2014 Date Made Active in Reports: 08/22/2014

Number of Days to Update: 7

Source: EPA Region 9 Telephone: 415-972-3368 Last EDR Contact: 10/27/2014

Next Scheduled EDR Contact: 02/09/2015 Data Release Frequency: Quarterly

INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 05/20/2014 Date Data Arrived at EDR: 06/10/2014 Date Made Active in Reports: 08/15/2014

Number of Days to Update: 66

Source: EPA Region 10 Telephone: 206-553-2857 Last EDR Contact: 10/27/2014

Next Scheduled EDR Contact: 02/09/2015 Data Release Frequency: Quarterly

INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian

land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 10/06/2014 Date Data Arrived at EDR: 10/29/2014 Date Made Active in Reports: 11/06/2014

Number of Days to Update: 8

Source: EPA Region 6 Telephone: 214-665-7591 Last EDR Contact: 10/27/2014

Next Scheduled EDR Contact: 02/09/2015 Data Release Frequency: Semi-Annually

FEMA UST: Underground Storage Tank Listing

A listing of all FEMA owned underground storage tanks.

Date of Government Version: 01/01/2010 Date Data Arrived at EDR: 02/16/2010 Date Made Active in Reports: 04/12/2010

Number of Days to Update: 55

Source: FEMA

Telephone: 202-646-5797 Last EDR Contact: 10/10/2014

Next Scheduled EDR Contact: 01/26/2015 Data Release Frequency: Varies

State and tribal institutional control / engineering control registries

AUL: Sites with Restrictions

Activity and use limitations include both engineering controls and institutional controls. A listing of Comfort/Site Status Letter sites that have been issued with controls.

Date of Government Version: 08/06/2014 Date Data Arrived at EDR: 09/09/2014 Date Made Active in Reports: 09/19/2014

Number of Days to Update: 10

Source: Department of Environmental Management

Telephone: 317-232-8603 Last EDR Contact: 12/01/2014

Next Scheduled EDR Contact: 03/16/2015 Data Release Frequency: Varies

State and tribal voluntary cleanup sites

VCP: Voluntary Remediation Program Site List

A current list of Voluntary Remediation Program sites that are no longer confidential.

Date of Government Version: 08/22/2014 Date Data Arrived at EDR: 08/22/2014 Date Made Active in Reports: 09/12/2014

Number of Days to Update: 21

Source: Department of Environmental Management

Telephone: 317-234-0966 Last EDR Contact: 10/15/2014

Next Scheduled EDR Contact: 01/26/2015 Data Release Frequency: Semi-Annually

INDIAN VCP R1: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 09/29/2014 Date Data Arrived at EDR: 10/01/2014 Date Made Active in Reports: 11/06/2014

Number of Days to Update: 36

Source: EPA, Region 1 Telephone: 617-918-1102 Last EDR Contact: 12/31/2014

Next Scheduled EDR Contact: 04/13/2015 Data Release Frequency: Varies

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008 Date Data Arrived at EDR: 04/22/2008 Date Made Active in Reports: 05/19/2008

Number of Days to Update: 27

Source: EPA, Region 7 Telephone: 913-551-7365 Last EDR Contact: 04/20/2009

Next Scheduled EDR Contact: 07/20/2009 Data Release Frequency: Varies

State and tribal Brownfields sites

BROWNFIELDS: Brownfields Site List

A brownfield site is an industrial or commercial property that is abandoned, inactive, or underutilized, on which expansion or redevelopment is complicated due to the actual or perceived environmental contamination.

Date of Government Version: 12/01/2014 Date Data Arrived at EDR: 12/04/2014 Date Made Active in Reports: 12/11/2014

Number of Days to Update: 7

Source: Department of Environmental Management

Telephone: 317-233-2570 Last EDR Contact: 12/01/2014

Next Scheduled EDR Contact: 03/16/2015 Data Release Frequency: Semi-Annually

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 09/22/2014 Date Data Arrived at EDR: 09/23/2014 Date Made Active in Reports: 10/20/2014

Number of Days to Update: 27

Source: Environmental Protection Agency

Telephone: 202-566-2777 Last EDR Contact: 12/22/2014

Next Scheduled EDR Contact: 04/06/2015 Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009 Date Data Arrived at EDR: 05/07/2009 Date Made Active in Reports: 09/21/2009

Number of Days to Update: 137

Source: EPA, Region 9 Telephone: 415-947-4219 Last EDR Contact: 10/24/2014

Next Scheduled EDR Contact: 02/09/2015 Data Release Frequency: No Update Planned

ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985 Date Data Arrived at EDR: 08/09/2004 Date Made Active in Reports: 09/17/2004

Number of Days to Update: 39

Source: Environmental Protection Agency Telephone: 800-424-9346

Last EDR Contact: 06/09/2004 Next Scheduled EDR Contact: N/A

Data Release Frequency: No Update Planned

SWTIRE: Waste Tire Sites Listing

This listing consists of Tire Sites - sites which contain tires - either for processing, for storage, or transport - as well as some illegal tire dumps, as defined by IC 13-11-2-251, IC 13-11-2-252, and IC 13-11-250.5 of the Indiana Code.

Date of Government Version: 09/04/2013 Date Data Arrived at EDR: 12/11/2013 Date Made Active in Reports: 01/20/2014

Number of Days to Update: 40

Source: Department of Environmental Management

Telephone: 317-232-8726 Last EDR Contact: 12/12/2014

Next Scheduled EDR Contact: 03/23/2015 Data Release Frequency: Varies

SWRCY: Recycling Facilities

A listing of recycling facilities located in the state of Indiana.

Date of Government Version: 05/01/2014 Date Data Arrived at EDR: 07/28/2014 Date Made Active in Reports: 09/12/2014

Number of Days to Update: 46

Source: Department of Environmental Management

Telephone: 317-234-4050 Last EDR Contact: 10/24/2014

Next Scheduled EDR Contact: 02/02/2015 Data Release Frequency: Varies

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands

Location of open dumps on Indian land.

Date of Government Version: 12/31/1998 Date Data Arrived at EDR: 12/03/2007 Date Made Active in Reports: 01/24/2008

Number of Days to Update: 52

Source: Environmental Protection Agency

Telephone: 703-308-8245 Last EDR Contact: 10/29/2014

Next Scheduled EDR Contact: 02/16/2015 Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 07/25/2014 Date Data Arrived at EDR: 09/09/2014 Date Made Active in Reports: 10/20/2014

Number of Days to Update: 41

Source: Drug Enforcement Administration

Telephone: 202-307-1000 Last EDR Contact: 11/25/2014

Next Scheduled EDR Contact: 03/16/2015 Data Release Frequency: Quarterly

DEL SHWS: Deleted Commissioner's Bulletin Sites List

A listing of sites deleted/removed from the Commissioner's Bulletin List

Date of Government Version: 04/03/2008 Date Data Arrived at EDR: 04/04/2008 Date Made Active in Reports: 04/14/2008

Number of Days to Update: 10

Source: Department of Environmental Management

Telephone: 317-234-0347 Last EDR Contact: 11/25/2014

Next Scheduled EDR Contact: 03/16/2015 Data Release Frequency: Varies

CDL: Clandestine Drug Lab Listing

A listing of clandestine drub labs that have been cleaned up.

Date of Government Version: 10/07/2014 Date Data Arrived at EDR: 10/08/2014 Date Made Active in Reports: 10/20/2014

Number of Days to Update: 12

Source: Department of Environmental Management

Telephone: 317-416-5031 Last EDR Contact: 10/08/2014

Next Scheduled EDR Contact: 01/19/2015 Data Release Frequency: Quarterly

US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 07/25/2014 Date Data Arrived at EDR: 09/09/2014 Date Made Active in Reports: 10/20/2014

Number of Days to Update: 41

Source: Drug Enforcement Administration

Telephone: 202-307-1000 Last EDR Contact: 11/25/2014

Next Scheduled EDR Contact: 03/16/2015 Data Release Frequency: No Update Planned

Local Land Records

LIENS 2: CERCLA Lien Information

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 02/18/2014 Date Data Arrived at EDR: 03/18/2014 Date Made Active in Reports: 04/24/2014

Number of Days to Update: 37

Source: Environmental Protection Agency

Telephone: 202-564-6023 Last EDR Contact: 10/27/2014

Next Scheduled EDR Contact: 02/09/2015 Data Release Frequency: Varies

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 09/30/2014 Date Data Arrived at EDR: 10/01/2014 Date Made Active in Reports: 11/06/2014

Number of Days to Update: 36

Source: U.S. Department of Transportation

Telephone: 202-366-4555 Last EDR Contact: 12/30/2014

Next Scheduled EDR Contact: 04/13/2015 Data Release Frequency: Annually

SPILLS: Spills Incidents

Oil, hazardous, or objectionable materials that may be released to soil and water.

Date of Government Version: 11/01/2014 Date Data Arrived at EDR: 12/01/2014 Date Made Active in Reports: 12/11/2014

Number of Days to Update: 10

Source: Department of Environmental Management

Telephone: 317-308-3038 Last EDR Contact: 12/01/2014

Next Scheduled EDR Contact: 03/16/2015 Data Release Frequency: Semi-Annually

SPILLS 80: SPILLS80 data from FirstSearch

Spills 80 includes those spill and release records available from FirstSearch databases prior to 1990. Typically, they may include chemical, oil and/or hazardous substance spills recorded before 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 80.

Date of Government Version: 09/11/2002 Date Data Arrived at EDR: 01/03/2013 Date Made Active in Reports: 02/28/2013

Number of Days to Update: 56

Source: FirstSearch Telephone: N/A

Last EDR Contact: 01/03/2013 Next Scheduled EDR Contact: N/A

Data Release Frequency: No Update Planned

SPILLS 90: SPILLS90 data from FirstSearch

Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 09/07/2012 Date Data Arrived at EDR: 01/03/2013 Date Made Active in Reports: 02/11/2013

Number of Days to Update: 39

Source: FirstSearch Telephone: N/A

Last EDR Contact: 01/03/2013 Next Scheduled EDR Contact: N/A

Data Release Frequency: No Update Planned

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 06/10/2014 Date Data Arrived at EDR: 07/02/2014 Date Made Active in Reports: 09/18/2014

Number of Days to Update: 78

Source: Environmental Protection Agency

Telephone: 312-886-6186 Last EDR Contact: 12/29/2014

Next Scheduled EDR Contact: 04/13/2015 Data Release Frequency: Varies

DOT OPS: Incident and Accident Data

Department of Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 07/31/2012 Date Data Arrived at EDR: 08/07/2012 Date Made Active in Reports: 09/18/2012

Number of Days to Update: 42

Source: Department of Transporation, Office of Pipeline Safety

Telephone: 202-366-4595 Last EDR Contact: 11/04/2014

Next Scheduled EDR Contact: 02/16/2015 Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005 Date Data Arrived at EDR: 11/10/2006 Date Made Active in Reports: 01/11/2007

Number of Days to Update: 62

Source: USGS

Telephone: 888-275-8747 Last EDR Contact: 11/07/2014

Next Scheduled EDR Contact: 01/26/2015 Data Release Frequency: Semi-Annually

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 06/06/2014 Date Data Arrived at EDR: 09/10/2014 Date Made Active in Reports: 09/18/2014

Number of Days to Update: 8

Source: U.S. Army Corps of Engineers

Telephone: 202-528-4285 Last EDR Contact: 12/12/2014

Next Scheduled EDR Contact: 03/23/2015 Data Release Frequency: Varies

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 12/31/2013 Date Data Arrived at EDR: 01/24/2014 Date Made Active in Reports: 02/24/2014

Number of Days to Update: 31

Source: Department of Justice, Consent Decree Library

Telephone: Varies

Last EDR Contact: 12/24/2014

Next Scheduled EDR Contact: 04/13/2015

Data Release Frequency: Varies

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 11/25/2013 Date Data Arrived at EDR: 12/12/2013 Date Made Active in Reports: 02/24/2014

Number of Days to Update: 74

Source: EPA

Telephone: 703-416-0223 Last EDR Contact: 12/12/2014

Next Scheduled EDR Contact: 03/23/2015 Data Release Frequency: Annually

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 09/14/2010 Date Data Arrived at EDR: 10/07/2011 Date Made Active in Reports: 03/01/2012

Number of Days to Update: 146

Source: Department of Energy Telephone: 505-845-0011 Last EDR Contact: 11/26/2014

Next Scheduled EDR Contact: 03/09/2015 Data Release Frequency: Varies

US MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 08/05/2014 Date Data Arrived at EDR: 09/04/2014 Date Made Active in Reports: 11/17/2014

Number of Days to Update: 74

Source: Department of Labor, Mine Safety and Health Administration

Telephone: 303-231-5959 Last EDR Contact: 12/30/2014

Next Scheduled EDR Contact: 03/16/2015 Data Release Frequency: Semi-Annually

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2011 Date Data Arrived at EDR: 07/31/2013 Date Made Active in Reports: 09/13/2013

Number of Days to Update: 44

Source: EPA

Telephone: 202-566-0250 Last EDR Contact: 11/26/2014

Next Scheduled EDR Contact: 03/09/2015 Data Release Frequency: Annually

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant

Date of Government Version: 12/31/2006 Date Data Arrived at EDR: 09/29/2010 Date Made Active in Reports: 12/02/2010

Number of Days to Update: 64

Source: EPA

Telephone: 202-260-5521 Last EDR Contact: 12/22/2014

Next Scheduled EDR Contact: 04/06/2015 Data Release Frequency: Every 4 Years

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009 Date Data Arrived at EDR: 04/16/2009 Date Made Active in Reports: 05/11/2009

Number of Days to Update: 25

Source: EPA/Office of Prevention, Pesticides and Toxic Substances

Telephone: 202-566-1667 Last EDR Contact: 11/19/2014

Next Scheduled EDR Contact: 03/09/2015 Data Release Frequency: Quarterly

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act) A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009 Date Data Arrived at EDR: 04/16/2009 Date Made Active in Reports: 05/11/2009

Number of Days to Update: 25

Source: EPA

Telephone: 202-566-1667 Last EDR Contact: 11/19/2014

Next Scheduled EDR Contact: 03/09/2015 Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006 Date Data Arrived at EDR: 03/01/2007 Date Made Active in Reports: 04/10/2007

Number of Days to Update: 40

Source: Environmental Protection Agency

Telephone: 202-564-2501 Last EDR Contact: 12/17/2007

Next Scheduled EDR Contact: 03/17/2008 Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing

A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006 Date Data Arrived at EDR: 03/01/2007 Date Made Active in Reports: 04/10/2007

Number of Days to Update: 40

Source: Environmental Protection Agency

Telephone: 202-564-2501 Last EDR Contact: 12/17/2008

Next Scheduled EDR Contact: 03/17/2008 Data Release Frequency: No Update Planned

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/2009 Date Data Arrived at EDR: 12/10/2010 Date Made Active in Reports: 02/25/2011

Number of Days to Update: 77

Source: EPA

Telephone: 202-564-4203 Last EDR Contact: 10/27/2014

Next Scheduled EDR Contact: 02/09/2015 Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 07/31/2014 Date Data Arrived at EDR: 10/29/2014 Date Made Active in Reports: 11/06/2014

Number of Days to Update: 8

Source: Environmental Protection Agency

Telephone: 202-564-5088 Last EDR Contact: 10/10/2014

Next Scheduled EDR Contact: 01/26/2015 Data Release Frequency: Quarterly

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 07/01/2014 Date Data Arrived at EDR: 10/15/2014 Date Made Active in Reports: 11/17/2014

Number of Days to Update: 33

Source: EPA

Telephone: 202-566-0500 Last EDR Contact: 10/15/2014

Next Scheduled EDR Contact: 01/26/2015 Data Release Frequency: Annually

MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 07/22/2013 Date Data Arrived at EDR: 08/02/2013 Date Made Active in Reports: 11/01/2013

Number of Days to Update: 91

Source: Nuclear Regulatory Commission

Telephone: 301-415-7169 Last EDR Contact: 12/04/2014

Next Scheduled EDR Contact: 03/23/2015 Data Release Frequency: Quarterly

RADINFO: Radiation Information Database

The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 10/07/2014 Date Data Arrived at EDR: 10/08/2014 Date Made Active in Reports: 10/20/2014

Number of Days to Update: 12

Source: Environmental Protection Agency

Telephone: 202-343-9775 Last EDR Contact: 10/08/2014

Next Scheduled EDR Contact: 01/19/2015 Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 08/16/2014 Date Data Arrived at EDR: 09/10/2014 Date Made Active in Reports: 10/20/2014

Number of Days to Update: 40

Source: EPA

Telephone: (312) 353-2000 Last EDR Contact: 12/09/2014

Next Scheduled EDR Contact: 03/23/2015 Data Release Frequency: Quarterly

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995 Date Data Arrived at EDR: 07/03/1995 Date Made Active in Reports: 08/07/1995

Number of Days to Update: 35

Source: EPA

Telephone: 202-564-4104 Last EDR Contact: 06/02/2008

Next Scheduled EDR Contact: 09/01/2008 Data Release Frequency: No Update Planned

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 08/01/2014 Date Data Arrived at EDR: 08/12/2014 Date Made Active in Reports: 11/06/2014

Number of Days to Update: 86

Source: Environmental Protection Agency

Telephone: 202-564-8600 Last EDR Contact: 10/27/2014

Next Scheduled EDR Contact: 02/09/2015

Data Release Frequency: Varies

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG)

and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2011 Date Data Arrived at EDR: 02/26/2013 Date Made Active in Reports: 04/19/2013

Number of Days to Update: 52

Source: EPA/NTIS Telephone: 800-424-9346 Last EDR Contact: 11/26/2014

Next Scheduled EDR Contact: 03/09/2015 Data Release Frequency: Biennially

UIC: UIC Site Listing

A listing of class II well locations

Date of Government Version: 09/03/2014 Date Data Arrived at EDR: 09/04/2014 Date Made Active in Reports: 09/09/2014

Number of Days to Update: 5

Source: Department of Natural Resources

Telephone: 317-232-0045 Last EDR Contact: 11/26/2014

Next Scheduled EDR Contact: 03/16/2015 Data Release Frequency: Varies

NPDES: NPDES Permit Listing

A listing of active NPDES Permit Section facility locations.

Date of Government Version: 10/14/2014 Date Data Arrived at EDR: 10/14/2014 Date Made Active in Reports: 10/20/2014

Number of Days to Update: 6

Source: Department of Environmental Management

Telephone: 317-233-0676 Last EDR Contact: 10/14/2014

Next Scheduled EDR Contact: 01/26/2015 Data Release Frequency: Varies

CFO: Confined Feeding Operations

This dataset consists of Confined Feeding Operations - i.e. A swine, chicken, turkey, beef or dairy agri-business that has large enough numbers of animals that IDEM regulates for environmental concerns, as defined by IC 13-18-10 of the Indiana Code.

Date of Government Version: 09/03/2013 Date Data Arrived at EDR: 12/11/2013 Date Made Active in Reports: 01/17/2014

Number of Days to Update: 37

Source: Department of Environmental Management

Telephone: 317-232-8726 Last EDR Contact: 12/12/2014

Next Scheduled EDR Contact: 03/23/2015 Data Release Frequency: Varies

BULK: Registered Bulk Fertilizer and Pesticide Storage Facilities

A listing of registered dry or liquid bulk fertilizer and pesticide storage facilities.

Date of Government Version: 04/01/2014 Date Data Arrived at EDR: 05/13/2014 Date Made Active in Reports: 06/05/2014

Number of Days to Update: 23

Source: Office of Indiana State Chemist

Telephone: 765-494-0579 Last EDR Contact: 01/05/2015

Next Scheduled EDR Contact: 04/20/2015 Data Release Frequency: Varies

IN MANIFEST: Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd

facility.

Date of Government Version: 12/31/2013 Date Data Arrived at EDR: 10/10/2014 Date Made Active in Reports: 10/20/2014

Number of Days to Update: 10

Source: Department of Environmental Management

Telephone: 317-233-4624 Last EDR Contact: 01/05/2015

Next Scheduled EDR Contact: 04/20/2015 Data Release Frequency: Annually

IND WASTE: Industrial Waste Sites Listing

The listing contains industrial waste site locations in Indiana, provided by personnel of Indiana Department of

Environmental Management, Office of Land Quality.

Date of Government Version: 09/04/2013 Date Data Arrived at EDR: 12/11/2013 Date Made Active in Reports: 01/17/2014

Number of Days to Update: 37

Source: Department of Environmental Management

Telephone: 317-232-8726 Last EDR Contact: 12/12/2014

Next Scheduled EDR Contact: 03/23/2015 Data Release Frequency: Quarterly

DRYCLEANERS: Drycleaner Facility Listing

A list of drycleaners involved in the Indiana 5-Star Environmental Recognition Program. It is a voluntary program that ranks participating drycleaners on a scale of one to five stars. The program recognizes those drycleaners willing to do more for the environment and worker safety than the rules require. These drycleaners are going above and beyond the rules to protect the environment, their employees and their neighbors and customers.

Date of Government Version: 09/16/2014 Date Data Arrived at EDR: 09/18/2014 Date Made Active in Reports: 09/19/2014

Number of Days to Update: 1

Source: Department of Environmental Management

Telephone: 800-988-7901 Last EDR Contact: 12/11/2014

Next Scheduled EDR Contact: 03/30/2015 Data Release Frequency: Varies

AIRS: Permitted Sources & Emissions Listing

Current permitted sources and emissions inventory information.

Date of Government Version: 04/14/2014 Date Data Arrived at EDR: 04/17/2014 Date Made Active in Reports: 06/30/2014

Number of Days to Update: 74

Source: Department of Environmental Management

Telephone: 317-233-0185 Last EDR Contact: 01/05/2015

Next Scheduled EDR Contact: 04/20/2015 Data Release Frequency: Varies

TIER 2: Tier 2 Facility Listing

A listing of facilities which store or manufacture hazardous materials that submit a chemical inventory report.

Date of Government Version: 12/31/2013 Date Data Arrived at EDR: 09/19/2014 Date Made Active in Reports: 10/27/2014

Number of Days to Update: 38

Source: Department of Environmental Management

Telephone: 317-233-0066 Last EDR Contact: 11/25/2014

Next Scheduled EDR Contact: 03/16/2015 Data Release Frequency: Varies

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater

than 640 acres.

Date of Government Version: 12/31/2005 Date Data Arrived at EDR: 12/08/2006 Date Made Active in Reports: 01/11/2007

Number of Days to Update: 34

Source: USGS

Telephone: 202-208-3710 Last EDR Contact: 11/07/2014

Next Scheduled EDR Contact: 01/26/2015 Data Release Frequency: Semi-Annually

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 03/07/2011 Date Data Arrived at EDR: 03/09/2011 Date Made Active in Reports: 05/02/2011

Number of Days to Update: 54

Source: Environmental Protection Agency

Telephone: 615-532-8599 Last EDR Contact: 11/18/2014

Next Scheduled EDR Contact: 02/02/2015 Data Release Frequency: Varies

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 12/31/2005 Date Data Arrived at EDR: 02/06/2006 Date Made Active in Reports: 01/11/2007

Number of Days to Update: 339

Source: U.S. Geological Survey Telephone: 888-275-8747 Last EDR Contact: 11/07/2014

Next Scheduled EDR Contact: 01/26/2015

Data Release Frequency: N/A

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 10/25/2013 Date Data Arrived at EDR: 10/17/2014 Date Made Active in Reports: 10/20/2014

Number of Days to Update: 3

Source: EPA

Telephone: 202-564-6023 Last EDR Contact: 12/29/2015

Next Scheduled EDR Contact: 04/13/2015 Data Release Frequency: Quarterly

OISC: Office of Indiana State Chemist Database

Restricted use pesticide dealers and pesticide & fertilizer applicators.

Date of Government Version: 09/22/2014 Date Data Arrived at EDR: 09/24/2014 Date Made Active in Reports: 10/20/2014

Number of Days to Update: 26

Source: Office of Indiana State Chemist & Seed

Telephone: 765-494-1492 Last EDR Contact: 12/22/2014

Next Scheduled EDR Contact: 04/06/2015 Data Release Frequency: Quarterly

LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001 Date Data Arrived at EDR: 10/27/2010 Date Made Active in Reports: 12/02/2010

Number of Days to Update: 36

Source: American Journal of Public Health

Telephone: 703-305-6451 Last EDR Contact: 12/02/2009 Next Scheduled EDR Contact: N/A

Data Release Frequency: No Update Planned

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 06/04/2014 Date Data Arrived at EDR: 06/12/2014 Date Made Active in Reports: 07/28/2014

Number of Days to Update: 46

Source: Environmental Protection Agency

Telephone: 703-603-8787 Last EDR Contact: 01/05/2015

Next Scheduled EDR Contact: 04/20/2015

Data Release Frequency: Varies

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 11/11/2011 Date Data Arrived at EDR: 05/18/2012 Date Made Active in Reports: 05/25/2012

Number of Days to Update: 7

Source: Environmental Protection Agency

Telephone: 703-308-4044 Last EDR Contact: 11/14/2014

Next Scheduled EDR Contact: 02/23/2015 Data Release Frequency: Varies

Financial Assurance 2: Financial Assurance Information Listing

Financial assurance information for solid waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 10/14/2014 Date Data Arrived at EDR: 10/14/2014 Date Made Active in Reports: 10/20/2014

Number of Days to Update: 6

Source: Department of Environmental Management

Telephone: 317-233-1052 Last EDR Contact: 01/05/2015

Next Scheduled EDR Contact: 04/20/2015 Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 07/01/2014 Date Data Arrived at EDR: 09/10/2014 Date Made Active in Reports: 10/20/2014

Number of Days to Update: 40

Source: Environmental Protection Agency

Telephone: N/A

Last EDR Contact: 12/12/2014

Next Scheduled EDR Contact: 03/23/2015 Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database

The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 02/01/2011 Date Data Arrived at EDR: 10/19/2011 Date Made Active in Reports: 01/10/2012

Number of Days to Update: 83

Source: Environmental Protection Agency

Telephone: 202-566-0517 Last EDR Contact: 10/31/2014

Next Scheduled EDR Contact: 02/09/2015 Data Release Frequency: Varies

EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013 Date Data Arrived at EDR: 03/21/2014 Date Made Active in Reports: 06/17/2014

Number of Days to Update: 88

Source: Environmental Protection Agency

Telephone: 617-520-3000 Last EDR Contact: 11/14/2014

Next Scheduled EDR Contact: 02/23/2015 Data Release Frequency: Quarterly

COAL ASH: Coal Ash Disposal Sites

A listing of coal ash disposal site locations.

Date of Government Version: 06/30/2014 Date Data Arrived at EDR: 09/18/2014 Date Made Active in Reports: 09/19/2014

Number of Days to Update: 1

Source: Department of Environmental Management

Telephone: 317-233-4624 Last EDR Contact: 12/11/2014

Next Scheduled EDR Contact: 03/30/2015 Data Release Frequency: Varies

Financial Assurance 1: Financial Assurance Information Listing

Financial assurance information.

Date of Government Version: 10/14/2014 Date Data Arrived at EDR: 10/14/2014 Date Made Active in Reports: 10/20/2014

Number of Days to Update: 6

Source: Department of Environmental Management

Telephone: 317-233-1052 Last EDR Contact: 01/05/2015

Next Scheduled EDR Contact: 04/20/2015

Data Release Frequency: Varies

US AIRS MINOR: Air Facility System Data A listing of minor source facilities.

Date of Government Version: 10/16/2014 Date Data Arrived at EDR: 10/31/2014 Date Made Active in Reports: 11/17/2014

Number of Days to Update: 17

Source: EPA

Telephone: 202-564-2496 Last EDR Contact: 12/23/2014

Next Scheduled EDR Contact: 04/13/2015 Data Release Frequency: Annually

US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 09/04/2014 Date Data Arrived at EDR: 09/04/2014 Date Made Active in Reports: 10/20/2014

Number of Days to Update: 46

Source: Environmental Protection Agency

Telephone: 202-566-1917 Last EDR Contact: 11/11/2014

Next Scheduled EDR Contact: 03/02/2015 Data Release Frequency: Quarterly

SCP: State Cleanup Program Sites

The goals for the State Cleanup Section are to mitigate risk to human health and the environment.

Date of Government Version: 12/01/2014 Date Data Arrived at EDR: 12/04/2014 Date Made Active in Reports: 12/12/2014

Number of Days to Update: 8

Source: Department of Environmental Management

Telephone: 317-233-0068 Last EDR Contact: 12/01/2014

Next Scheduled EDR Contact: 03/16/2015 Data Release Frequency: Quarterly

COAL ASH DOE: Sleam-Electric Plan Operation Data

A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2005 Date Data Arrived at EDR: 08/07/2009 Date Made Active in Reports: 10/22/2009

Number of Days to Update: 76

Source: Department of Energy Telephone: 202-586-8719 Last EDR Contact: 10/17/2014

Next Scheduled EDR Contact: 01/26/2015 Data Release Frequency: Varies

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 10/16/2014 Date Data Arrived at EDR: 10/31/2014 Date Made Active in Reports: 11/17/2014

Number of Days to Update: 17

Source: EPA

Telephone: 202-564-2496 Last EDR Contact: 12/23/2014

Next Scheduled EDR Contact: 04/13/2015 Data Release Frequency: Annually

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A

Date Data Arrived at EDR: N/A

Date Made Active in Reports: N/A

Last EDR Contact: N/A

Note of Government Version: N/A

Last EDR Contact: N/A

Number of Days to Update: N/A Next Scheduled EDR Contact: N/A

Data Release Frequency: No Update Planned

EDR US Hist Auto Stat: EDR Exclusive Historic Gas Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A Source: EDR, Inc.
Date Data Arrived at EDR: N/A Telephone: N/A
Date Made Active in Reports: N/A Last EDR Contact: N/A

Number of Days to Update: N/A Next Scheduled EDR Contact: N/A Data Release Frequency: Varies

EDR US Hist Cleaners: EDR Exclusive Historic Dry Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A

Date Data Arrived at EDR: N/A

Date Made Active in Reports: N/A

Number of Days to Update: N/A

Source: EDR, Inc.

Telephone: N/A

Last EDR Contact: N/A

Next Scheduled EDR Contact: N/A

Data Release Frequency: Varies

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Environmental Management in Indiana.

Date of Government Version: N/A Date Data Arrived at EDR: 07/01/2013 Date Made Active in Reports: 01/20/2014 Number of Days to Update: 203

Source: Department of Environmental Management Telephone: N/A

Last EDR Contact: 06/01/2012 Next Scheduled EDR Contact: N/A Data Release Frequency: Varies

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Environmental Management in Indiana.

Date of Government Version: N/A Date Data Arrived at EDR: 07/01/2013 Date Made Active in Reports: 12/24/2013 Number of Days to Update: 176

Source: Department of Environmental Management

Telephone: N/A

Last EDR Contact: 06/01/2012 Next Scheduled EDR Contact: N/A Data Release Frequency: Varies

RGA HWS: Recovered Government Archive State Hazardous Waste Facilities List

The EDR Recovered Government Archive State Hazardous Waste database provides a list of SHWS incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Environmental Management in Indiana.

Date of Government Version: N/A Date Data Arrived at EDR: 07/01/2013 Date Made Active in Reports: 12/24/2013 Number of Days to Update: 176

Source: Department of Environmental Management

Telephone: N/A

Last EDR Contact: 06/01/2012 Next Scheduled EDR Contact: N/A Data Release Frequency: Varies

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 07/30/2013 Date Data Arrived at EDR: 08/19/2013 Date Made Active in Reports: 10/03/2013

Number of Days to Update: 45

Source: Department of Energy & Environmental Protection

Telephone: 860-424-3375 Last EDR Contact: 11/17/2014

Next Scheduled EDR Contact: 03/02/2015 Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2011 Date Data Arrived at EDR: 07/19/2012 Date Made Active in Reports: 08/28/2012

Number of Days to Update: 40

Source: Department of Environmental Protection

Telephone: N/A

Last EDR Contact: 10/10/2014

Next Scheduled EDR Contact: 01/26/2015 Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD

acility.

Date of Government Version: 11/01/2014 Date Data Arrived at EDR: 11/05/2014 Date Made Active in Reports: 11/24/2014

Number of Days to Update: 19

Source: Department of Environmental Conservation

Telephone: 518-402-8651 Last EDR Contact: 11/05/2014

Next Scheduled EDR Contact: 02/16/2015 Data Release Frequency: Annually

PA MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2013 Date Data Arrived at EDR: 07/21/2014 Date Made Active in Reports: 08/25/2014

Number of Days to Update: 35

Source: Department of Environmental Protection

Telephone: 717-783-8990 Last EDR Contact: 10/20/2014

Next Scheduled EDR Contact: 02/02/2015 Data Release Frequency: Annually

RI MANIFEST: Manifest information Hazardous waste manifest information

> Date of Government Version: 12/31/2013 Date Data Arrived at EDR: 07/15/2014 Date Made Active in Reports: 08/13/2014

Number of Days to Update: 29

Source: Department of Environmental Management

Telephone: 401-222-2797 Last EDR Contact: 11/26/2014

Next Scheduled EDR Contact: 03/09/2015 Data Release Frequency: Annually

VT MANIFEST: Hazardous Waste Manifest Data Hazardous waste manifest information.

Date of Government Version: 06/24/2014 Date Data Arrived at EDR: 08/22/2014 Date Made Active in Reports: 11/04/2014

Number of Days to Update: 74

Source: Department of Environmental Conservation

Telephone: 802-241-3443 Last EDR Contact: 10/20/2014

Next Scheduled EDR Contact: 02/02/2015 Data Release Frequency: Annually

WI MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2013 Date Data Arrived at EDR: 06/20/2014 Date Made Active in Reports: 08/07/2014

Number of Days to Update: 48

Source: Department of Natural Resources

Telephone: N/A

Last EDR Contact: 12/12/2014

Next Scheduled EDR Contact: 03/30/2015 Data Release Frequency: Annually

Oil/Gas Pipelines: This data was obtained by EDR from the USGS in 1994. It is referred to by USGS as GeoData Digital Line Graphs from 1:100,000-Scale Maps. It was extracted from the transportation category including some oil, but primarily gas pipelines.

Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:

Source: American Hospital Association, Inc.

Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services

Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services,

a federal agency within the U.S. Department of Health and Human Services.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Nursing Homes

Source: National Institutes of Health

Telephone: 301-594-6248

Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on elementary

and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are

comparable across all states.

Private Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Child Care Listing

Source: Family & Social Services Administration

Telephone: 317-232-4740

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 2003 & 2011 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

Scanned Digital USGS 7.5' Topographic Map (DRG)

Source: United States Geologic Survey

A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

STREET AND ADDRESS INFORMATION

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GEOCHECK®-PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

FRANKFORT ROUNDHOUSE BOOMER STREET/CLINTON STREET FRANKFORT, IN 46041

TARGET PROPERTY COORDINATES

Latitude (North): 40.2817 - 40° 16' 54.12" Longitude (West): 86.5219 - 86° 31' 18.84"

Universal Tranverse Mercator: Zone 16 UTM X (Meters): 540643.4 UTM Y (Meters): 4458923.0

Elevation: 860 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map: 40086-C5 FRANKFORT, IN

Most Recent Revision: 1991

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principal investigative components:

- 1. Groundwater flow direction, and
- 2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

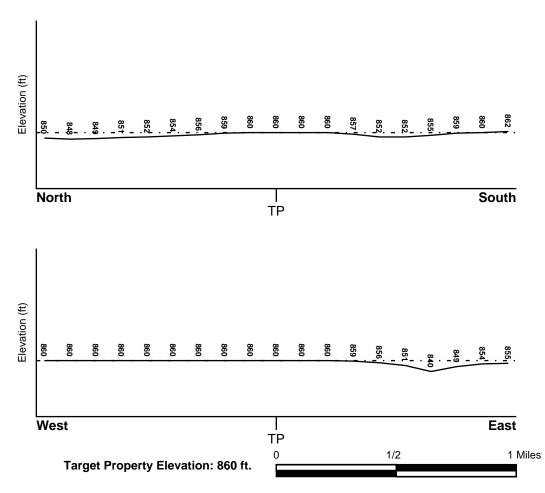
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General North

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

FEMA Flood Electronic Data

Target Property County Electronic Date CLINTON, IN Not Available

Flood Plain Panel at Target Property: Not Reported

Additional Panels in search area: Not Reported

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property Data Coverage

FRANKFORT YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

LOCATION GENERAL DIRECTION

MAP ID FROM TP GROUNDWATER FLOW

Not Reported

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

GEOLOGIC AGE IDENTIFICATION

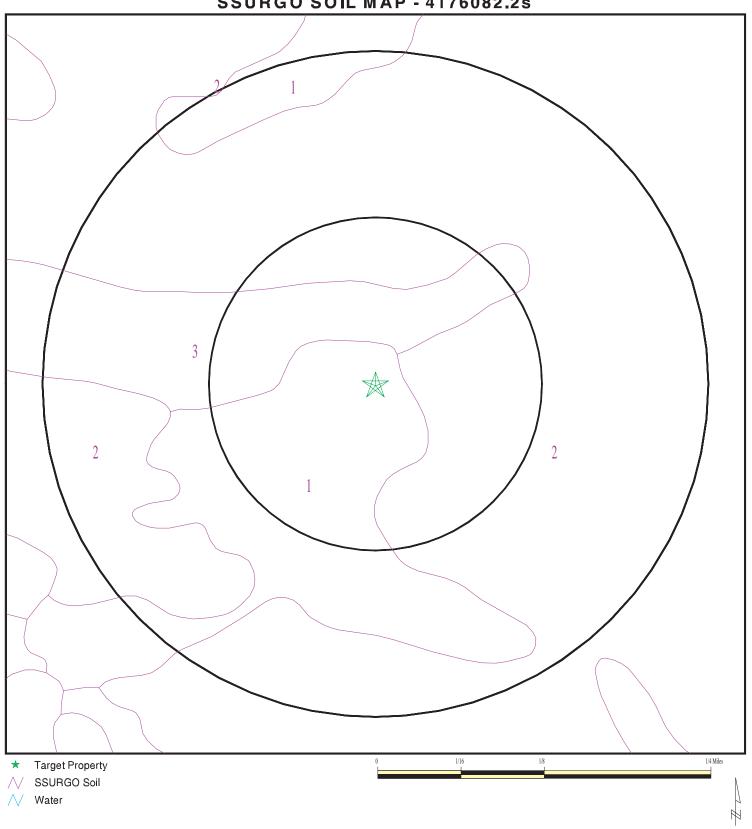
Era: Paleozoic Category: Stratified Sequence

System: Devonian
Series: Upper Devonian

Code: D3 (decoded above as Era, System & Series)

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

SSURGO SOIL MAP - 4176082.2s



SITE NAME: Frankfort Roundhouse ADDRESS: Boomer Street/Clinton Street

Frankfort IN 46041 LAT/LONG: 40.2817 / 86.5219

CLIENT: Soil and Materials Engineers Inc CONTACT: Kelly Kuhn INQUIRY#: 4176082.2s

DATE: January 08, 2015 11:09 am

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. The following information is based on Soil Conservation Service SSURGO data.

Soil Map ID: 1

Soil Component Name: Ragsdale

Soil Surface Texture: silt loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep,

moderately well and well drained soils with moderately coarse

textures.

Soil Drainage Class: Poorly drained

Hydric Status: All hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 15 inches

Soil Layer Information								
	Boundary			Classification		Saturated hydraulic		
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	conductivity micro m/sec		
1	0 inches	7 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 14.11 Min: 4.23	Max: 7.3 Min: 6.1	
2	7 inches	50 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 14.11 Min: 4.23	Max: 7.3 Min: 6.1	
3	50 inches	59 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 14.11 Min: 4.23	Max: 8.4 Min: 7.4	

Soil Map ID: 2

Soil Component Name: Fincastle

Soil Surface Texture: silt loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward

> 38 inches

movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Somewhat poorly drained

Hydric Status: Not hydric

Depth to Watertable Min:

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Soil Layer Information Saturated **Boundary** Classification hydraulic conductivity **AASHTO Group Unified Soil Soil Reaction** Layer Upper Lower Soil Texture Class micro m/sec (pH) 1 0 inches 12 inches silt loam Silt-Clay FINE-GRAINED Max: 14.11 Max: 7.3 Materials (more SOILS, Silts and Min: 4.23 Min: 5.1 than 35 pct. Clays (liquid passing No. limit less than 200), Silty 50%), Lean Clay Soils. 2 12 inches 31 inches silty clay loam Silt-Clay FINE-GRAINED Max: 14.11 Max: 6.5 Materials (more SOILS, Silts and Min: 4.5 Min: 4.23 than 35 pct. Clays (liquid limit less than passing No. 200), Clayey 50%), Lean Clay Soils. Max: 4.23 3 31 inches 59 inches clay loam Silt-Clay FINE-GRAINED Max: 7.8 SOILS, Silts and Min: 1.41 Materials (more Min: 5.1 than 35 pct. Clays (liquid passing No. limit less than 200), Clayey 50%), Lean Clay Soils. FINE-GRAINED 4 59 inches 70 inches loam Silt-Clay Max: 1.41 Max: 8.4 SOILS, Silts and Materials (more Min: 0.07 Min: 7.4 than 35 pct. Clays (liquid passing No. limit less than 200), Silty 50%), Lean Clay Soils.

Soil Map ID: 3

Udorthents Soil Component Name:

Soil Surface Texture: silt loam

Class C - Slow infiltration rates. Soils with layers impeding downward Hydrologic Group:

movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

No Layer Information available.

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

DATABASE SEARCH DISTANCE (miles)

Federal USGS 1.000

Federal FRDS PWS Nearest PWS within 1 mile

1.000 State Database

FEDERAL USGS WELL INFORMATION

MAP ID

MAP ID	WELL ID	LOCATION FROM TP	
2	USGS40000309687	1/4 - 1/2 Mile ENE	
C8	USGS40000309681	1/2 - 1 Mile SW	
	11000100000000	4/0 4 4 4 11 014/	

C9 USGS40000309680 1/2 - 1 Mile SW

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

LOCATION WELL ID FROM TP

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID WELL ID FROM TP

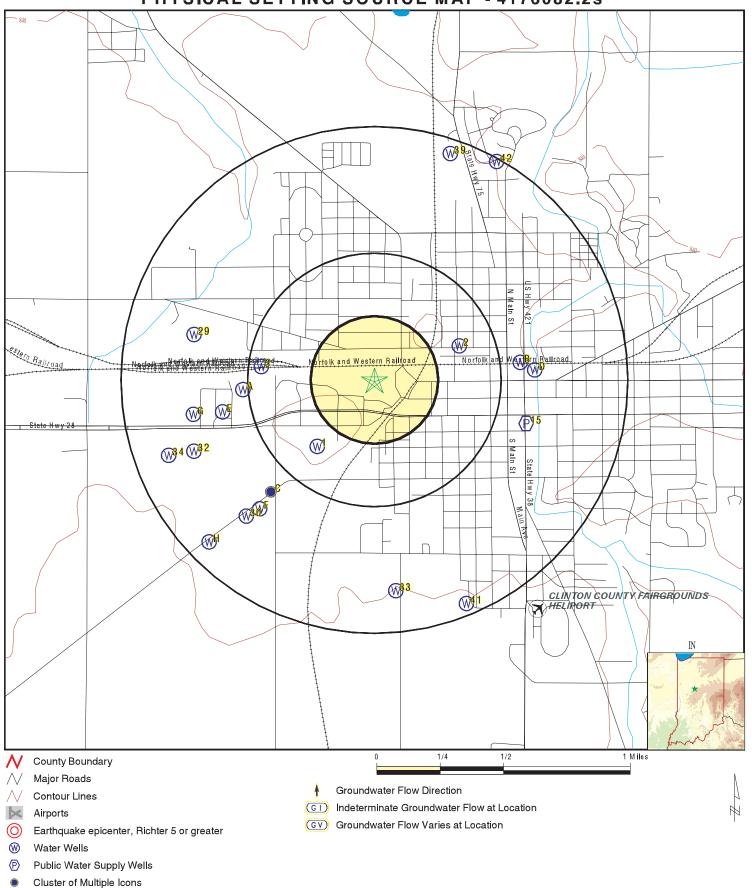
15 IN2120819 1/2 - 1 Mile ESE

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
1	INPWS0000001263	1/4 - 1/2 Mile SW
3	INDNR1000078924	1/4 - 1/2 Mile West
A4	INDNR1000078868	1/2 - 1 Mile West
A5	INDNR1000078869	1/2 - 1 Mile West 1/2 - 1 Mile East
B6	INDNR1000078940	.,
C7	INDNR1000078422	1/2 - 1 Mile SW
D10 B11	INDNR1000078905 INPWS0000001274	1/2 - 1 Mile East 1/2 - 1 Mile East
E12	INDNR10000078797	1/2 - 1 Mile East
E12 E13	INDNR1000078797 INDNR1000078798	1/2 - 1 Mile WSW
C14	INDNR1000078798	1/2 - 1 Mile WSW
C14 C16	INDNR1000076369	1/2 - 1 Mile SW
D17	INPWS000001273	1/2 - 1 Mile Svv 1/2 - 1 Mile East
D17 D18	INDNR1000001273	1/2 - 1 Mile East
D10 D19	INPWS000001272	1/2 - 1 Mile East
F20	INDNR1000078358	1/2 - 1 Mile East
F20 F21	INDNR1000076336	1/2 - 1 Mile SW
F21 F22	INPWS000001255	1/2 - 1 Mile SW
F23	INPWS0000001253	1/2 - 1 Mile SW
F23 F24	INDNR1000078383	1/2 - 1 Mile SW
F24 F25	INDNR1000078363	1/2 - 1 Mile SW
	INDNR1000076367 INDNR1000078368	
F26 F27	INDNR1000078368 INDNR1000078369	1/2 - 1 Mile SW 1/2 - 1 Mile SW
G28	INDNR1000078369	1/2 - 1 Mile Svv 1/2 - 1 Mile West
29	INDNR1000078627 INDNR1000079012	1/2 - 1 Mile West
29 30	INDNR1000079012 INDNR1000078349	1/2 - 1 Mile WNW
G31	INDNR1000078349	1/2 - 1 Mile SW
32	INDNR1000078731 INDNR1000078612	1/2 - 1 Mile WSW
32	INDNR1000078612 INDNR1000078173	1/2 - 1 Mile WSW
33 34	INDNR1000078173	1/2 - 1 Mile South
3 4 H35	INDNR1000078590 INDNR1000078297	1/2 - 1 Mile WSW
нзэ Н36		
пзо H37	INDNR1000078298 INDNR1000078299	1/2 - 1 Mile SW 1/2 - 1 Mile SW
H38	INPWS000001247	1/2 - 1 Mile SW
39 H40	INDNR1000079533 INDNR1000078277	1/2 - 1 Mile NNE 1/2 - 1 Mile SW
		.,
41 42	INDNR1000078149 INDNR1000079522	1/2 - 1 Mile SSE 1/2 - 1 Mile NNE
4 ∠	1100001 302Z	I/Z - I WIIIE ININE

PHYSICAL SETTING SOURCE MAP - 4176082.2s



SITE NAME: Frankfort Roundhouse ADDRESS: Boomer Street/Clinton Street

Frankfort IN 46041 LAT/LONG: 40.2817 / 86.5219

CLIENT: Soil and Ma CONTACT: Kelly Kuhn Soil and Materials Engineers Inc

INQUIRY#: 4176082.2s

DATE: January 08, 2015 11:08 am

Map ID Direction Distance

Elevation Database EDR ID Number

SW 1/4 - 1/2 Mile **IN WELLS** INPWS000001263

Higher

Pwsid: 5212003 Well numbe: 4

Well num d: #13A Method cod: G3a Desccode t: Facility Desccode 1: Regulated Unit Desccode 2: Point Source Dataownerc: 24 4458709.21 Utm north: 540281.827 Utm east: Hae meters: 233.712

Msl meters: 268.416 Latitude: 40.277894441 Longitude: -86.526167652

Gps correc: 01-NOV-00 Sampler: **IDEM**

Site id: INPWS0000001263

ENE FED USGS USGS40000309687 1/4 - 1/2 Mile

Higher

Org. Identifier: **USGS-IN**

Formal name: USGS Indiana Water Science Center

Monloc Identifier: USGS-401701086305601 IW-3 FRANKFORT, IND. Monloc name:

Monloc type: Well

Monloc desc: 10/00-DAC C14 POPULATED FROM IN24K-NDX BY LAT-LONG

Huc code: 05120107 Drainagearea value: Not Reported Not Reported Contrib drainagearea: Not Reported Drainagearea Units: Contrib drainagearea units: Not Reported 40.2836476 Latitude: Longitude: -86.5155577 Sourcemap scale: 24000 Unknown Horiz Acc measure: Unknown Horiz Acc measure units:

Horiz Collection method: Interpolated from map

NAD83 Not Reported Horiz coord refsys: Vert measure val: Not Reported Not Reported Vert measure units: Vertacc measure val:

Not Reported Vert accmeasure units: Vertcollection method: Not Reported

Vert coord refsys: Not Reported Countrycode:

Aquifername: Not Reported Not Reported Formation type: Aquifer type: Not Reported

Construction date: Not Reported Welldepth: 220

Wellholedepth: Not Reported Welldepth units:

Wellholedepth units: Not Reported

Ground-water levels, Number of Measurements: 0

West 1/4 - 1/2 Mile Higher

INDNR1000078924 **IN WELLS**

US

Refno: 306171 Comp date: 23-MAY-56

Drive: 475' N OF 56A, 685' S OF SR28 AND 1580' E OF N-S CO RD ON R. ASHLEY'S FARM, 200' S OF NORTH

FFENCE & 200' W OF E FENCE

 County1:
 CLINTON
 Civilt:
 CENTER

 Town1:
 21N
 Range1:
 1W

 Quarter1:
 SW
 Quarter2:
 NE

Quarter3: SW

Section1: 9

Topo: FRANKFORT Subdiv: Not Reported

Lotno: Not Reported

Feetns: Feetsn: 1300 1550 Feetew: 0 Feetwe: 539925 Utmx: Utmy: 4459000 Grnd elev: 860 Depth: 299 Bedrock: 561 bedro 1: 299 Aquelv: 0 Static: 0

Type test: Not Reported

Pumprate: 0
Pumphou: 0
Pumpdw: 0
Bailerr: 0
Bailerh: 0
Bailerd: 0

Welltype: Not Reported Well use: PUBLIC SUPPLY Use other: Not Reported Method: ROTARY

Method other: Not Reported

Casingl: 0

Casingd: 0

Casingm: Not Reported

Screenl: 0

Screend: 0

Screenm: Not Reported Slot: Not Reported

Liner top: 0
Linerdi: 0
Pumpset: 0

Type pump: Not Reported Pump other: Not Reported Quality: Not Reported Groutm: Not Reported

Groutf: 0 Groutt: 0

Methodg: Not Reported

Groutba: 0

Sealing: Not Reported Filledf: Not Reported Filledf: Not Reported Methods: Not Reported

Sealbag: 0

Owner: FRANKFORT WATER WORKS Ownerad: Not Reported

Ownerzc: 0

Ownertx: Not Reported Driller: LAYNE NORTHERN CO.

Drillad: MISHAWAKA, IN

Drillzc: 0

Drilltx: Not Reported Operator: A.D. HALL License: Not Reported Date co: 10-FEB-98

Cbuilde: Not Reported Buildad: Not Reported

Buildzc: 0

Buildtx: Not Reported Fieldby: Not Reported

Field d: 01-AUG-65 Courtby: Not Reported Court d: 02-OCT-96 Classby: Not Reported Not Reported Class date: 01-JUL-70 Accwo: 08-JUL-97 CLINTON Accwo date: County: Town: 2W Rang: 1E

Section: 9

Ctyperm: Not Reported

Water supp: Not Reported

Bore hole:

Gravelp: 0 Irregla: Not Reported

Reserve: Not Reported Reserve: 0

Site id: INDNR1000078924

A4 West IN WELLS INDNR1000078868

Dnrvarn:

Not Reported

1/2 - 1 Mile Higher

 Refno:
 31508

 Comp date:
 22-DEC-48

 Drive:
 FRANKFORT

County1: CLINTON Civilt: Not Reported

 Town1:
 21N
 Range1:
 1W

 Quarter1:
 NW
 Quarter2:
 SW

Quarter3: NE Section1: 9

Topo: FRANKFORT Subdiv: Not Reported

Lotno: Not Reported

Feetns: 0 Feetsn: 0 Feetew: 0 0 Feetwe: 539809 Utmx: Utmy: 4458853 Grnd elev: 860 Depth: 116 Bedrock: 0 bedro 1: 0 Aquelv: 785 Static: 16

Type test: Not Reported

Pumprate: 0
Pumphou: 0
Pumpdw: 0
Bailerr: 0
Bailerh: 0
Bailerd: 0

Welltype: D Well use:

Use other: Not Reported Method: CABLE TOOL

Method other: Not Reported

Casingl: 0
Casingd: 6

Casingm: Not Reported

Screenl: 0 Screend: 0

Screenm: Not Reported Slot: Not Reported

Liner top: 0 Linerdi: 0 TEST

Driller:

Dnrvarn:

Pumpset: 0

Type pump: Not Reported Pump other: Not Reported Quality: Not Reported Groutm: Not Reported

Groutf: 0

Groutt: 0

Methodg: Not Reported

Groutba: 0

Sealing: Not Reported Filledf: Not Reported Filledf: Not Reported Methods: Not Reported

Sealbag: 0

Owner: INGRAM RICHARDSON Ownerad:

Ownerzc: 0

Ownertx: Not Reported

Drillad: Not Reported

Drillzc: 0

Drilltx: Not Reported Operator: Not Reported License: Not Reported Date co: 30-NOV-50

Cbuilde: Not Reported Buildad: Not Reported

Buildzc: 0

Buildtx: Not Reported Fieldby: MT

Field d: 01-AUG-68 Courtby: Not Reported

Court d: 01-AUG-68 Classby: L

Class date: 01-AUG-68 Accwo: Not Reported Accwo date: 15-FEB-94 County: Not Reported Town: Not Reported Rang: Not Reported

Section: 0

Ctyperm: Not Reported

Water supp: Not Reported

Bore hole: 0

Gravelp: 0 Irregla: Not Reported

Reserve: Not Reported Reserve: 0
Site id: INDNR1000078868

A5 West 1/2 - 1 Mile Higher

> Refno: 31573 Comp date: 18-JAN-49

Drive: FRANKFORT SE NW SEC 9?

County1:CLINTONCivilt:Not ReportedTown1:21NRange1:1WQuarter1:NWQuarter2:SW

Quarter1: NW Quarter3: NE Section1: 9

Topo: FRANKFORT Subdiv: Not Reported

Lotno: Not Reported

Feetns: 0 Feetsn: 0 Feetew: 0 Feetwe: 0 Utmx: 539809 Utmy: 4458853 Grnd elev: 880 Depth: 116 Bedrock: 0 bedro 1: 0

TC4176082.2s Page A-14

FRANKFORT

DILDEN BROS

Not Reported

IN WELLS

INDNR1000078869

Aquelv: 764 Static: 16

Type test: Not Reported

 Pumprate:
 0

 Pumphou:
 0

 Pumpdw:
 0

 Bailerr:
 0

 Bailerh:
 0

 Bailerd:
 0

Welltype: D Well use: INDUSTRY
Use other: Not Reported Method: CABLE TOOL

Method other: Not Reported

Casingl: 0

Casingd: 12

Casingm: Not Reported

Screenl: 0 Screend: 0

Screenm: Not Reported Slot: Not Reported

Liner top: 0
Linerdi: 0
Pumpset: 0

Type pump: Not Reported Pump other: Not Reported Quality: Not Reported Groutm: Not Reported

Groutf: 0
Groutt: 0

Methodg: Not Reported

Groutba: 0

Sealing: Not Reported Filledf: Not Reported Filledf: Not Reported Methods: Not Reported

Sealbag: 0

Owner: INGRAHAM RICHARDSON Ownerad: FRANKFORT

Ownerzc: 0

Ownertx: Not Reported Driller: LAMB FOR DILDEN BROS

Drillad: LAMB CARMEL; DILDEN BROS DAYTON

Drillzc: 0

Drilltx: Not Reported Operator: Not Reported License: Not Reported Date co: 01-AUG-68

Cbuilde: Not Reported Buildad: Not Reported

Buildzc: 0

Buildtx: Not Reported Fieldby: MT

Field d: 01-AUG-68 Courtby: Not Reported Court d: 01-AUG-68 Classby: U

 Court d:
 01-AUG-68
 Classby:
 U

 Class date:
 01-AUG-68
 Accwo:
 Not Reported

 Accwo date:
 01-AUG-68
 County:
 CLINTON

 Town:
 21N
 Rang:
 1W

Section: 9

Ctyperm: Not Reported Dnrvarn: Not Reported

Water supp: Not Reported

Bore hole: 0

Gravelp: 0 Irregla: Not Reported

Reserve: Not Reported Reserve: 0

Site id: INDNR1000078869

B6 East 1/2 - 1 Mile Lower

IN WELLS INDNR1000078940

Refno: 31474 Comp date: 11-FEB-60

Drive: 407 N MAIN ST FRANKFORT IND;

County1: CLINTON Civilt: Not Reported Town1: 21N Range1: 1W

Quarter1: NW Quarter2: SE

Quarter3: NE Section1: 10

Topo: FRANKFORT Subdiv: Not Reported

Lotno: Not Reported

Feetns: 0 Feetsn: 0 Feetew: 1200 1500 Feetwe: 541518 Utmx: 4459055 Utmy: Grnd elev: 845 Depth: 76 0 Bedrock: bedro 1: 0 Aquelv: 765 Static: 28

Type test: Not Reported

Pumprate: 160
Pumphou: 8
Pumpdw: 0
Bailerr: 0
Bailerh: 0
Bailerd: 0

Welltype: D Well use: INDUSTRY Use other: Not Reported Method: ROTARY

Method other: Not Reported

Casingl: 66 Casingd: 6

Casingm: Not Reported

Screenl: 40

Screend: 6

Screenm: Not Reported Slot: 100

Liner top: 0
Linerdi: 0
Pumpset: 0

Type pump: Not Reported Pump other: Not Reported Quality: Not Reported Groutm: Not Reported

Groutf: 0 Groutt: 0

Methodg: Not Reported

Groutba: 0

Sealing: Not Reported Filledf: Not Reported Filledf: Not Reported Methods: Not Reported

Sealbag: 0

Owner: NATIONAL CIGAR CO Ownerad: 407 N MAIN ST FRANKFORT

Ownerzc: 0

Ownertx: Not Reported Driller: J B ORTMAN & SONS

Drillad: R 1 KOKOMO IND

Drillzc: 0

Drilltx: Not Reported Operator: NED ORTMAN License: Not Reported Date co: 22-APR-60

Cbuilde: Not Reported Buildad: Not Reported

Buildzc: 0

Buildtx: Not Reported Fieldby: MT

Field d: 01-AUG-68 Courtby: Not Reported Court d: 01-AUG-68 Classby: Not Reported Class date: 01-SEP-68 Accwo: Not Reported CLINTON Accwo date: 15-FEB-94 County: Town: Not Reported Rang: Not Reported

Section: 0

Ctyperm: Not Reported

Water supp: Not Reported

Bore hole:

Gravelp: 0 Irregla: Not Reported

Reserve: Not Reported Reserve: 0

Site id: INDNR1000078940

C7
SW IN WELLS INDNR1000078422

Dnrvarn:

Not Reported

1/2 - 1 Mile Higher

> Refno: 31578 Comp date: 13-OCT-70

Drive: 1ST RD W OF FRANKFORT ON 28 S 1 1/2 ACROSS RR TRACKS; SECT 17/18; PLANT TORN DOWN ON 13W;

BETWEEN RR TRACKS

 County1:
 CLINTON
 Civilt:
 CENTER

 Town1:
 21N
 Range1:
 1W

 Quarter1:
 NW
 Quarter2:
 SE

Quarter3: SE Section1: 9

Topo: FRANKFORT Subdiv: Not Reported

Lotno: Not Reported

Feetns: 1280 Feetsn: 0 0 Feetew: 1250 Feetwe: Utmx: 540027 Utmy: 4458206 Grnd elev: 860 Depth: 67 Bedrock: 0 bedro 1: 0 Aquelv: 795 Static: 19

Type test: Not Reported

 Pumprate:
 0

 Pumphou:
 0

 Pumpdw:
 0

 Bailerr:
 12

 Bailerh:
 1

 Bailerd:
 5

Welltype: D Well use: INDUSTRY
Use other: Not Reported Method: CABLE TOOL

Method other: Not Reported

Casingl: 64 Casingd: 4

Casingm: Not Reported

Screenl: 3 Screend: 3

Screenm: Not Reported Slot: 6

Liner top: 0 Linerdi: 0

Pumpset: 0

Type pump: Not Reported Pump other: Not Reported Quality: Not Reported Groutm: Not Reported

Groutf: 0 Groutt: 0

Methodg: Not Reported

Groutba: 0

Sealing: Not Reported Filledf: Not Reported Filledf: Not Reported Methods: Not Reported

Sealbag: 0

Owner: STANDARD OIL CO Ownerad: FRANKFORT IND

Ownerzc: 0

Ownertx: Not Reported Driller: RAYMOND LISTER

Drillad: 310 E MAIN ST THORNTOWN IND

0

Drillzc:

Drilltx: Not Reported Operator: Not Reported License: Not Reported Date co: 13-OCT-70 Cbuilde: Not Reported

Buildad: Not Reported

Buildzc: 0

Buildtx: Not Reported Fieldby: DT

Field d: 01-JUL-74 Courtby: Not Reported Court d: 01-AUG-68 Classby: HCK

 Class date:
 01-FEB-71
 Accwo:
 Not Reported

 Accwo date:
 01-AUG-68
 County:
 CLINTON

 Town:
 Not Reported
 Rang:
 Not Reported

Section: 0

Ctyperm: Not Reported Dnrvarn: Not Reported

Water supp: Not Reported

Bore hole: 0

Gravelp: 0 Irregla: Not Reported

Reserve: Not Reported Reserve: 0

Site id: INDNR1000078422

C8 SW FED USGS USGS40000309681

1/2 - 1 Mile Higher

Org. Identifier: USGS-IN

Formal name: USGS Indiana Water Science Center

Monloc Identifier: USGS-401632086314702

Monloc name: CLI 5
Monloc type: Well

Monloc desc: SOURCE OF DATA: GEOSCIENCES. ENTERED: 2/90

05120107 Drainagearea value: Not Reported Huc code: Drainagearea Units: Not Reported Not Reported Contrib drainagearea: 40.275592 Contrib drainagearea units: Not Reported Latitude: Longitude: -86.5297248 Sourcemap scale: 24000 Horiz Acc measure units: seconds

Horiz Acc measure: 1
Horiz Collection method: Interpolated from map

Horiz coord refsys: NAD83 Vert measure val: 865
Vert measure units: feet Vertacc measure val: 5

Vert accmeasure units: feet

Vertcollection method: Interpolated from topographic map

Vert coord refsys: NGVD29 Countrycode: US

Aquifername: Sand and gravel aquifers (glaciated regions)

Formation type: Pleistocene Series

Aquifer type: Confined single aquifer

Construction date: 19610400 Welldepth: 272

Welldepth units: ft Wellholedepth: Not Reported

Wellholedepth units: Not Reported

Ground-water levels, Number of Measurements: 0

C9 SW FED USGS USGS40000309680

1/2 - 1 Mile Higher

Org. Identifier: USGS-IN

Formal name: USGS Indiana Water Science Center

Monloc Identifier: USGS-401632086314701

Monloc name: CLI 4 Monloc type: Well

Monloc desc: SOURCE OF DATA: GEOSCIENCES. ENTERED: 2/90

Huc code: 05120107 Drainagearea value: Not Reported Drainagearea Units: Not Reported Contrib drainagearea: Not Reported Contrib drainagearea units: Not Reported 40.275592 Latitude: Longitude: -86.5297248 Sourcemap scale: 24000 Horiz Acc measure: Horiz Acc measure units: seconds

Horiz Collection method: Interpolated from map

Horiz coord refsys: NAD83 Vert measure val: 865 Vert measure units: feet Vertacc measure val: 5

Vert accmeasure units: feet

Vertcollection method: Interpolated from topographic map

Vert coord refsys: NGVD29 Countrycode: US

Aquifername: Sand and gravel aquifers (glaciated regions)

Formation type: Pleistocene Series Aquifer type: Confined single aquifer

Construction date: 19600400 Welldepth: 102

Welldepth units: ft Wellholedepth: Not Reported

Wellholedepth units: Not Reported

Ground-water levels, Number of Measurements: 0

East 1/2 - 1 Mile Lower

> Refno: 31465 Comp date: 01-SEP-39

Drive: 130' N AND 140' W OF ELEVATED TANK

County1: CLINTON Civilt: Not Reported

 Town1:
 21N
 Range1:
 1W

 Quarter1:
 NW
 Quarter2:
 SE

Quarter3: NE Section1: 10

Topo: FRANKFORT Subdiv: Not Reported

Lotno: Not Reported

Feetns: 0 Feetsn: 1500 Feetew: 0 1200 Feetwe: Utmx: 541615 Utmy: 4458975 Grnd elev: 840 Depth: 271 Bedrock: 580 bedro 1: 260

Aquelv: 0 Static: 48

Type test: Not Reported

 Pumprate:
 0

 Pumphou:
 0

 Pumpdw:
 0

 Bailerr:
 0

 Bailerh:
 0

 Bailerd:
 0

Welltype: Not Reported Well use: Not Reported Use other: Not Reported Method: Not Reported

Method other: Not Reported

Casingl: 0 Casingd: 0

Casingm: Not Reported

Screenl: 0

Screend: 0

Screenm: Not Reported Slot: Not Reported

Liner top: 0
Linerdi: 0
Pumpset: 0

Type pump: Not Reported Pump other: Not Reported Quality: Not Reported Groutm: Not Reported

Groutf: 0 Groutt: 0

Methodg: Not Reported

Groutba: 0

Sealing: Not Reported Filledf: Not Reported Filledf: Not Reported Methods: Not Reported

Sealbag: 0

Owner: FRANKFORT WATER WORKS Ownerad: Not Reported

Ownerzc: 0

Ownertx: Not Reported Driller: LAYNE NORTHERN

Drillad: Not Reported

Drillzc: 0

Drilltx:Not ReportedOperator:J. NESSLicense:Not ReportedDate co:24-NOV-50

Cbuilde: Not Reported Buildad: Not Reported

Buildzc:

Buildtx: Not Reported Fieldby: MT

Field d: 01-AUG-68 Not Reported Courtby: 01-AUG-68 Not Reported Court d: Classby: 01-SEP-68 Class date: Accwo: Not Reported Accwo date: 15-FEB-94 County: CLINTON Town: 21N Rang: 1W

Section: 10

Ctyperm: Not Reported Dnrvarn: Not Reported

Water supp: Not Reported

Bore hole: 0

Gravelp: 0 Irregla: Not Reported

Reserve: Not Reported Reserve: 0

Site id: INDNR1000078905

B11 East 1/2 - 1 Mile Lower

IN WELLS INPWS000001274

Pwsid: 5212003 Well numbe: 3

Well num d: #11
Method cod: G3a
Desccode t: Facility
Desccode 1: Regulated Unit
Desccode 2: Point Source

Dataownerc: 24

 Utm north:
 4459230.611

 Utm east:
 541619.535

 Hae meters:
 226.229

 Msl meters:
 260.952

 Latitude:
 40.28252626

 Longitude:
 -86.510398943

Gps correc: 01-NOV-00 Sampler: IDEM

Site id: INPWS0000001274

E12
WSW
IN WELLS INDNR1000078797
1/2 - 1 Mile

Higher

Refno: 31468 Comp date: 17-NOV-61

Drive: W EDGE OF FRANKFORT IND;

 County1:
 CLINTON
 Civilt:
 CENTER

 Town1:
 21N
 Range1:
 1W

 Quarter1:
 SW
 Quarter2:
 SW

Quarter3: NE Section1: 9

Topo: FRANKFORT Subdiv: Not Reported

Lotno: Not Reported

2950 Feetns: Feetsn: 0 Feetew: 0 Feetwe: 2350 539681 Utmx: 4458711 Utmy: Grnd elev: 866 Depth: 85 Bedrock: 0 0 bedro 1: 781 Aquelv: Static: 25

Type test: Not Reported

 Pumprate:
 10

 Pumphou:
 1

 Pumpdw:
 0

 Bailerr:
 15

 Bailerh:
 1

 Bailerd:
 0

Welltype: D Well use: HOME
Use other: Not Reported Method: CABLE TOOL

Use other: Not Reported Method other: Not Reported

Casingl: 0

Casingd: 4

Casingm: Not Reported

Screenl: 2

Screend: 3

Screenm: Not Reported Slot: 40

Liner top: 0 Linerdi: 0

Pumpset:

Type pump: Not Reported Pump other: Not Reported Quality: Not Reported Groutm: Not Reported

Groutf: 0 Groutt: 0

Methodg: Not Reported

Groutba:

Sealing: Not Reported Filledf: Not Reported Filledt: Not Reported Methods: Not Reported

Sealbag:

JESS CASTLE FRANKFORT IND RR Owner: Ownerad:

Ownerzc: 0

Ownertx: Not Reported Driller: HIGER & SON

Drillad: **COLFAX** Drillzc: 0

LESTER HIGER Drilltx: Not Reported Operator: License: Not Reported Date co: 21-NOV-61

Not Reported Cbuilde: Buildad: Not Reported

Buildzc:

Buildtx: Not Reported Fieldby: JWR

Field d: 12-JUL-84 Courtby: Not Reported 01-AUG-68 Court d: Classby: JMH 01-SEP-68 Class date: Accwo: Not Reported

Accwo date: 15-FEB-94 County: CLINTON Town: Not Reported Rang: Not Reported

Section:

Not Reported Not Reported Ctyperm: Dnrvarn:

Water supp: Not Reported

Bore hole: 0

Gravelp: 0 Irregla: Not Reported

Reserve: Not Reported Reserve:

INDNR1000078797 Site id:

E13 WSW 1/2 - 1 Mile **IN WELLS** INDNR1000078798

Higher

Refno: 31503 Comp date: 16-DEC-62 ACROSS ST JONN W IMGRAW RICHARD EMANAL INGRAM PAINT FACTORY?

Drive: County1: CLINTON Civilt: **CENTER** Town1: 21N Range1: 1W Quarter1: SW Quarter2: SW

Quarter3: ΝE Section1: 9

FRANKFORT Topo: Subdiv: Not Reported

Lotno: Not Reported

0 Feetns: Feetsn: 2300 Feetew: 0 Feetwe: 1900 Utmx: 539681 Utmy: 4458711 Grnd elev: 860 Depth: 64 Bedrock: 0 bedro 1: 0

Aquelv: 796 Static: 28

Type test: Not Reported

 Pumprate:
 10

 Pumphou:
 0

 Pumpdw:
 0

 Bailerr:
 0

 Bailerh:
 0

 Bailerd:
 0

Welltype: O Well use: HOME Use other: SHAMLESS S Method: JET

Method other: Not Reported

Casingl: 0 Casingd: 2

Casingm: Not Reported

Screenl: 30 Screend: 1.8

Screenm: Not Reported Slot: 30

Liner top: 0
Linerdi: 0
Pumpset: 0

Type pump: Not Reported Pump other: Not Reported Quality: Not Reported Groutm: Not Reported

Groutf: 0 Groutt: 0

Methodg: Not Reported

Groutba: 0

Sealing: Not Reported Filledf: Not Reported Filledf: Not Reported Methods: Not Reported

Sealbag: 0

Owner: JESSE CASTLE Ownerad: FRANKFORT

Ownerzc: 0

Ownertx: Not Reported Driller: BLAIRE RADEZ

Drillad: KICKLAN

Drillzc: 0

Drilltx: Not Reported Operator: Not Reported License: Not Reported Date co: 16-MAY-78

Cbuilde: Not Reported Buildad: Not Reported

Buildzc:

Buildtx: Not Reported Fieldby: MT

Field d: 01-AUG-68 Courtby: Not Reported Court d: 01-AUG-68 Classby: WD

Court d: 01-AUG-68 Classby: WD

Class date: 19-OCT-64 Accwo: Not Reported

Accwo date: 15-FEB-94 County: CLINTON

Town: Not Reported Rang: Not Reported

Section: 0

Ctyperm: Not Reported Dnrvarn: Not Reported

Water supp: Not Reported

Bore hole: 0

Gravelp: 0 Irregla: Not Reported

Reserve: Not Reported Reserve: 0

Site id: INDNR1000078798

C14 SW 1/2 - 1 Mile Higher

IN WELLS INDNR1000078389

Refno: 31493 Comp date: 01-JUL-64

Drive: BUD ROUSH EXCAVATION CONTRACTOR SELLS RD TO FULF OIL COMPANY E SIDE OR N ON FREEMAN ST ON

SELLS RD;

 County1:
 CLINTON
 Civilt:
 CENTER

 Town1:
 21N
 Range1:
 1W

 Quarter1:
 NW
 Quarter2:
 SE

Quarter3: SE

Section1: 9

Topo: FRANKFORT Subdiv: Not Reported

Lotno: Not Reported

Feetns: 1000 Feetsn: 0 Feetew: 0 1200 Feetwe: 540033 Utmx: Utmy: 4458136 Grnd elev: 860 Depth: 103 Bedrock: 0 bedro 1: 0 Aquelv: 757 Static: 18 Type test: Α Pumprate: 20

Pumphou: 0
Pumpdw: 0
Bailerr: 0
Bailerh: 0

Bailerd: 0

Welltype: O Well use: HOME Use other: Not Reported Method: JET

Method other: Not Reported

Casingl: 0

Casingd: 3

Casingm: Not Reported

Screenl: 3

Screend: 2.63

Screenm: Not Reported Slot: 30

Liner top: 0 Linerdi: 0 Pumpset: 0

Type pump: Not Reported Pump other: Not Reported Quality: Not Reported Groutm: Not Reported

Groutf: 0 Groutt: 0

Methodg: Not Reported

Groutba: 0

Sealing: Not Reported Filledf: Not Reported Filledf: Not Reported Methods: Not Reported

Sealbag: 0

Owner: BUD ROUSH Ownerad: FRANKFORT

Ownerzc: 0

Ownertx: Not Reported Driller: BLAEIE RADEZ

Drillad: KIRKLAND IND

Drillzc: 0

Drilltx: Not Reported Operator: LAIREZ License: Not Reported Date co: 01-JUL-64

Cbuilde: Not Reported
Buildad: Not Reported

Buildzc: 0

Buildtx: Not Reported Fieldby: MT

Field d: 01-AUG-68 Courtby: Not Reported Court d: 01-AUG-68 Classby: WLS

Class date: 01-AUG-66 Class by. WLS

Class date: 01-JUL-64 Accwo: Not Reported

Accwo date: 15-FEB-94 County: CLINTON

Town: Not Reported Rang: Not Reported

Section: 0

Ctyperm: Not Reported Dnrvarn: Not Reported

Water supp: Not Reported

Bore hole: 0

Gravelp: 0 Irregla: Not Reported

Reserve: Not Reported Reserve: 0

Site id: INDNR1000078389

15 ESE FRDS PWS IN2120819 1/2 - 1 Mile

Lower

Epa region: 05 State: IN

Pwsid: IN2120819

Pwsname: FRANKFORT RIFLE RANGE

City served:Not ReportedState served:INZip served:Not ReportedFips county:18023Status:ClosedPop srvd:25

 Pwssvcconn:
 1
 Source:
 Groundwater

 Pws type:
 TNCWS
 Owner:
 Public/Private

Contact: FRANKFORT RIFLE RANGE

Contactor gname: Not Reported

Contact phone: 317-247-3171 Contact address1: RAYMOND BAKNEY

Contact address2: P.O. BOX 41326-MILITARY DEPTContact city: FRANKFORT

Contact state: IN Contact zip: 46041

Activity code:

Location Information:

Name: FRANKFORT RIFLE RANGE

Pwstypcd: TNCWS Primsrccd: GW

Popserved: 25

Add1: RAYMOND BAKNEY

Add2: P.O. BOX 41326-MILITARY DEPT.
City: FRANKFORT State:

Zip:46041Phone:317-247-3171Cityserv:Not ReportedCntyserv:Not ReportedStateserv:INZipserv:Not Reported

PWS ID: IN2120819

Date Initiated: 7601 Date Deactivated: Not Reported

PWS Name: FRANKFORT RIFLE RANGE

RAYMOND BAKNEY

P.O. BOX 41326-MILITARY DEPT.

FRANKFORT, IN 46041

Addressee / Facility: Not Reported

Facility Latitude: 40 16 45 Facility Longitude: 086 30 38

City Served: Not Reported

Treatment Class: Untreated Population: 00000025

Violations information not reported.

IN

Map ID Direction Distance

Elevation Database EDR ID Number

C16 SW IN WELLS INDNR1000078426

1/2 - 1 Mile Higher

> Refno: 306170 Comp date: 27-APR-56

Drive: 1160' S OF SR28 & 1580' E OF CRON R. ASHLEY'S FARM 200' EO F W PROPERTY LINE & 200' N OF S

PROPERTY LINE

 County1:
 CLINTON
 Civilt:
 CENTER

 Town1:
 21N
 Range1:
 1W

 Quarter1:
 SW
 Quarter2:
 NE

Quarter3: SW Section1: 9

Topo: FRANKFORT Subdiv: Not Reported

Lotno: Not Reported

Feetns: 1300 Feetsn: 0 1550 Feetew: Feetwe: 0 539925 Utmx: 4458210 Utmy: Grnd elev: 860 Depth: 303 Bedrock: 0 0 bedro 1: Aquelv: 557 Static: 0

Type test: Not Reported

 Pumprate:
 0

 Pumphou:
 0

 Pumpdw:
 0

 Bailerr:
 0

 Bailerh:
 0

 Bailerd:
 0

Welltype: Not Reported Well use: PUBLIC SUPPLY Use other: Not Reported Method: ROTARY

Method other: Not Reported

Casingl: 0

Casingd: 0

Casingm: Not Reported

Screenl: 0

Screend: 0

Screenm: Not Reported Slot: Not Reported

Liner top: 0
Linerdi: 0
Pumpset: 0

Type pump: Not Reported Pump other: Not Reported Quality: Not Reported Groutm: Not Reported

Groutf: 0 Groutt: 0

Methodg: Not Reported

Groutba: 0

Sealing: Not Reported Filledf: Not Reported Filledf: Not Reported Methods: Not Reported

Sealbag: 0

Owner: FRANKFORT WATER WORKS COwnerad: Not Reported

Ownerzc:

Ownertx: Not Reported Driller: LAYNE NORTHERN CO.

MISHAWAKA, IN Drillad:

Drillzc: 0

Drilltx: Not Reported Operator: A.D. HALL License: Not Reported Date co: 10-FEB-98

Cbuilde: Not Reported Not Reported Buildad:

Buildzc:

Buildtx: Not Reported Fieldby: Not Reported Field d: 01-AUG-65 Courtby: Not Reported Court d: 02-OCT-96 Classby: Not Reported Class date: 01-JUL-70 Not Reported Accwo: Accwo date: 08-JUL-97 CLINTON County: 1W Town: 21N Rang: Section:

Not Reported Not Reported Ctyperm: Dnrvarn:

Water supp: Not Reported

Bore hole: 0

Gravelp: Irregla: Not Reported

Reserve: Not Reported Reserve: INDNR1000078426 Site id:

D17 INPWS000001273 IN WELLS

1/2 - 1 Mile Lower

> Pwsid: 5212003 Well numbe: 2

Well num d: #6 G3a Method cod: Desccode t: Facility

Desccode 1: Regulated Unit Desccode 2: Point Source Dataownerc: 24 4459206.695 Utm north: Utm east: 541672.932

Hae meters: 219.163 Msl meters: 253.886 Latitude: 40.282308134 Longitude: -86.509772371 01-NOV-00 Gps correc:

IDEM Sampler:

Site id: INPWS0000001273

D18 INDNR1000078918

IN WELLS East 1/2 - 1 Mile

Lower

Refno: 376733 18-OCT-03 Comp date:

Drive: 200' E OF INDIANA 39 & 150' N OF E WASHINGTON

CENTER County1: CLINTON Civilt: Town1: 21N Range1: 1W Quarter1: NW Quarter2: SE

Quarter3: NE Section1: 10

FRANKFORT Not Reported Topo: Subdiv:

Lotno: Not Reported

0 Feetns: Feetsn: 1425 Feetew: 0 Feetwe: 1000 Utmx: 541678 4458999 Utmy: Grnd elev: 832 Depth: 83 0 Bedrock: 0 bedro 1: 749 Aquelv: Static: 0 Type test: Not Reported Pumprate: 0 0 Pumphou: 0 Pumpdw: Bailerr: 0 Bailerh: 0 Bailerd: 0 Well use: **PUBLIC SUPPLY** Welltype: Not Reported Use other: Not Reported Method: CABLE TOOL Method other: Not Reported Casingl: 68 10 Casingd: Casingm: STEEL Screenl: 15 Screend: 8 SSWW Slot: 0.050 Screenm: Liner top: 0 Linerdi: 0 Pumpset: Type pump: Not Reported Pump other: Not Reported Not Reported Not Reported Quality: Groutm: Groutf: 0 Groutt: 0 Methodg: Not Reported Groutba: Not Reported Filledf: Sealing: Not Reported Filledt: Not Reported Methods: Not Reported Sealbag: Owner: FRANKFORT WATER DEPT. Ownerad: 200 E WASHINGTON FRANKFORT, IN 46041 Ownerzc: (765)654-5566 PEERLESS-MIDWEST INC. Ownertx: Driller: 55860 RUSSELL INDUSTRIAL PKWY., MISHAWAKA, IN Drillad: Drillzc: 46545 Drilltx: (574)254-9050 Operator: **DOUGLAS GENTRY** Date co: License: 1182 16-DEC-03 Not Reported Cbuilde: Buildad: Not Reported Buildzc: Not Reported Fieldby: DRILLER Buildtx: 18-OCT-03 Courtby: Not Reported Field d: Court d: 18-AUG-66 Classby: Not Reported Class date: 01-AUG-65 Accwo: Not Reported Accwo date: 07-AUG-78 County: CLINTON Town: 21N Rang: 1W Section: 10 Ctyperm: Not Reported Dnrvarn: Not Reported Water supp: Not Reported

Irregla:

Bore hole:

Gravelp:

0

Not Reported

0 Reserve: Not Reported Reserve: Site id: INDNR1000078918

D19 **IN WELLS** INPWS000001272 East

1/2 - 1 Mile Lower

> 5212003 Pwsid: Well numbe: 1

Well num d: #8 Method cod: G3a Desccode t: Facility Regulated Unit Desccode 1: Desccode 2: Point Source Dataownerc: 24 Utm north: 4459200.961 541677.807 Utm east:

227.701 Hae meters: Msl meters: 262.425 Latitude: 40.282256234 Longitude: -86.509715398

IDEM Gps correc: 01-NOV-00 Sampler:

Site id: INPWS0000001272

IN WELLS INDNR1000078358

F20 SW 1/2 - 1 Mile

Higher

Refno: 31498 01-SEP-64 Comp date:

W OF FRANKFORT 3/4 MI 1/2 MI S; Drive:

County1: CLINTON Civilt: **CENTER** Town1: 21N Range1: 1W Quarter1: NE SW Quarter2:

SE Quarter3: Section1: 9

Topo: **FRANKFORT** Subdiv: Not Reported

Lotno: Not Reported

600 Feetns: 0 Feetsn: 0 Feetew: Feetwe: 1400 Utmx: 539985 Utmy: 4458071 Grnd elev: 860 Depth: 80 Bedrock: 0 0 bedro 1: 780 Aquelv: Static: 28

Type test: Not Reported

Pumprate: 0 Pumphou: 0 0 Pumpdw: Bailerr: 15 Bailerh: 1.5 Bailerd: 2

D Welltype: Well use: **INDUSTRY**

Slot:

7W6

Not Reported

CABLE TOOL Use other: Not Reported Method:

Method other: Not Reported

Casingl: 77 Casingd: 4

Casingm: Not Reported

Screenl: 3 Screend: 3

Screenm: Not Reported

0 Liner top: 0 Linerdi: Pumpset: 0

Not Reported Pump other: Not Reported Type pump: Quality: Not Reported Groutm: Not Reported

Groutf: 0 0 Groutt:

Methodg: Not Reported

Groutba:

Filledf: Sealing: Not Reported Not Reported Filledt: Not Reported Methods: Not Reported

Sealbag: 0

TITUS PETROLUM CO Ownerad: **LEBBANNON** Owner:

Ownerzc:

Ownertx: Not Reported Driller: R LISTER

310 E MAIN ST THORNTOWN Drillad:

Drillzc:

Drilltx: Not Reported Operator: R LISTER License: Not Reported Date co: 01-AUG-64

Not Reported Cbuilde: Buildad: Not Reported

Buildzc:

Buildtx: Not Reported Fieldby: MT

Field d: 01-AUG-68 Courtby: Not Reported

01-AUG-68 Court d: Classby: DM

19-OCT-64 Class date: Not Reported Accwo: Accwo date: 15-FEB-94 County: CLINTON Town: Not Reported Rang: Not Reported Section:

Ctyperm: Not Reported

Water supp: Not Reported

Bore hole: 0

Gravelp: 0 Irregla: Not Reported

Reserve: Not Reported Reserve:

INDNR1000078358 Site id:

F21

Dnrvarn:

IN WELLS INDNR1000078336 1/2 - 1 Mile Lower

Refno: 31518 17-OCT-74 Comp date:

S OF SR28 ON SELLS RD; W OF FRANKFORT 1/2 MI S OF IH DEALER; Drive: CLINTON CENTER County1: Civilt: Town1: 21N Range1: 1W Quarter1: NW Quarter2: SE

SE Quarter3: Section1:

Topo: **FRANKFORT** Subdiv: Not Reported

Lotno: Not Reported

650 Feetns: Feetsn: 0 Feetew: 0 Feetwe: 1200 540048 Utmx: 4458022 Utmy: Grnd elev: 860 Depth: 96 0 Bedrock: 0 bedro 1: 764 Aquelv: Static: 23

Type test: Not Reported

Pumprate: 20 Pumphou: 1 0 Pumpdw: Bailerr: 15 Bailerh: 1 Bailerd: 0

Well use: HOME Welltype: D Use other: Not Reported Method: CABLE TOOL

Method other: Not Reported

Casingl: 96 Casingd: 4

Not Reported Casingm:

Screenl: 2

Screend: 4

Not Reported 40 Screenm: Slot:

Liner top: 0 Linerdi: 0 Pumpset: 0

Type pump: Not Reported Pump other: Not Reported Not Reported Not Reported Quality: Groutm:

Groutf: 0

Groutt: 0

Methodg: Not Reported

Groutba:

Filledf: Sealing: Not Reported Not Reported Filledt: Not Reported Methods: Not Reported

Sealbag:

Owner: ALBERT (BUD) ROUSH Ownerad: SELLS RD S FRANKFROT IND

Ownerzc:

Not Reported Driller: LESTER J HIGER Ownertx:

RR 1 THORNTOWN IND Drillad:

Drillzc: 46071

Drilltx: Not Reported Operator: LESTER J HIGER License: Not Reported Date co: 19-FEB-75

Not Reported Cbuilde: Buildad: Not Reported

Buildzc:

Not Reported Fieldby: Not Reported Buildtx: 21-JUN-91 Courtby: Not Reported Field d: Court d: 01-AUG-68 Classby: MT

Class date: 01-JAN-70 Accwo: Not Reported Accwo date: 15-FEB-94 County: CLINTON Town: Not Reported Rang: Not Reported

Section:

Ctyperm: Not Reported Dnrvarn: Not Reported

Water supp: Not Reported

Bore hole: 0

0 Irregla: Not Reported Gravelp:

0 Reserve: Not Reported Reserve:

Site id: INDNR1000078336

F22 SW **IN WELLS** INPWS000001255

1/2 - 1 Mile Higher

> 5212003 5 Well numbe: Pwsid:

Well num d: #16 Method cod: G3a Desccode t: Facility Desccode 1: Regulated Unit Desccode 2: Point Source Dataownerc: 24 Utm north: 4458344.027

539902.043 Utm east: Hae meters: 240.153 274.849 Msl meters: Latitude: 40.274622688 Longitude: -86.530657635

Gps correc: 01-NOV-00 Sampler: **IDEM**

INPWS0000001255 Site id:

F23 SW **IN WELLS** INPWS000001253

1/2 - 1 Mile Higher

> Well numbe: Pwsid: 5212003 6

Well num d: #17 Method cod: G3a Desccode t: Facility

Desccode 1: Regulated Unit Point Source Desccode 2: Dataownerc: 24 Utm north: 4458337.543 539898.661 Utm east: Hae meters: 233.361 Msl meters: 268.057 Latitude: 40.27456444 Longitude: -86.53069782

Gps correc: 01-NOV-00 Sampler: **IDEM**

Site id: INPWS0000001253

IN WELLS INDNR1000078383

1/2 - 1 Mile Higher

> 306136 Refno: Comp date: 12-APR-61

450' SW CORNER OF MANSON PIKE & THORNTOWN RD Drive:

CLINTON **CENTER** County1: Civilt: Town1: 21N Range1: 1W Quarter1: NW Quarter2: SW

SE Quarter3:

Section1:

FRANKFORT Topo: Subdiv: Not Reported

Not Reported Lotno:

1000 Feetns: Feetsn: 0 Feetew: 0 Feetwe: 1700 Utmx: 539890 Utmy: 4458130 Grnd elev: 865 Depth: 272 0 Bedrock: 0 bedro 1: 795 Aquelv: Static: 0

Type test: Not Reported

 Pumprate:
 0

 Pumphou:
 0

 Pumpdw:
 0

 Bailerr:
 0

 Bailerh:
 0

 Bailerd:
 0

Welltype: Not Reported Well use: PUBLIC SUPPLY Use other: Not Reported Method: Not Reported

Method other: Not Reported

Casingl: 236 Casingd: 26

Casingm: Not Reported

Screenl: 0 Screend: 0

Screenm: Not Reported Slot: Not Reported

Liner top: 0
Linerdi: 0
Pumpset: 0

Type pump: Not Reported Pump other: Not Reported Quality: Not Reported Groutm: Not Reported

Groutf: 0 Groutt: 0

Methodg: Not Reported

Oracethe

Groutba: 0
Sealing: Not Reported Filledf: Not Reported
Filledt: Not Reported Methods: Not Reported

Sealbag:

Owner: FRANKFORT WATER DEPT. Ownerad: Not Reported

Ownerzc: 0

Ownertx: Not Reported Driller: Not Reported

Drillad: Not Reported

Drillzc: 0

Drilltx: Not Reported Operator: H.A. SMITH JR License: Not Reported Date co: 14-APR-98

Cbuilde: Not Reported Buildad: Not Reported

Buildzc: 0

Buildtx: Not Reported Fieldby: MT

01-AUG-68 Not Reported Field d: Courtby: Court d: 02-OCT-96 Classby: Not Reported Class date: 01-JUL-70 Not Reported Accwo: Accwo date: 08-JUL-97 County: CLINTON Town: 21N Rang: 1W

Section: 10

Ctyperm: Not Reported Dnrvarn: Not Reported

Water supp: Not Reported

Bore hole: 0

Gravelp: 0 Irregla: Not Reported

Reserve: Not Reported Reserve: 0

Site id: INDNR1000078383

F25 SW IN WELLS INDNR1000078367

1/2 - 1 Mile Higher

> Refno: 31528 Comp date: 16-APR-60

Drive: 440' SW COR OF MAINSION PIKE AND THORNTOWN RD

 County1:
 CLINTON
 Civilt:
 CENTER

 Town1:
 21N
 Range1:
 1W

 Quarter1:
 NW
 Quarter2:
 SW

Quarter3: SE Section1: 9

Topo: FRANKFORT Subdiv: Not Reported

Lotno: Not Reported

1000 Feetns: Feetsn: 0 Feetew: 0 Feetwe: 1700 539880 Utmx: Utmy: 4458100 Grnd elev: 865 Depth: 102 0 Bedrock: bedro 1: 0 763 Aquelv: Static: 13.5

Type test: Not Reported

 Pumprate:
 0

 Pumphou:
 0

 Pumpdw:
 0

 Bailerr:
 1130

 Bailerh:
 0

 Bailerd:
 0

Welltype: Not Reported Well use: Not Reported Use other: Not Reported Method: Not Reported

Method other: Not Reported

Casingl: 80 Casingd: 26

Casingm: Not Reported

Screenl: 20 Screend: 12

Screenm: Not Reported Slot: #6

Liner top: 0
Linerdi: 0
Pumpset: 0

Type pump: Not Reported Pump other: Not Reported Quality: Not Reported Groutm: Not Reported

Groutf: 0 Groutt: 0

Methodg: Not Reported

Groutba: 0

Sealing: Not Reported Filledf: Not Reported Filledf: Not Reported Methods: Not Reported

Sealbag: 0

Owner: CITY OF FRANKFORT Ownerad: Not Reported

Ownerzc: 0

Ownertx: Not Reported Driller: Not Reported

Drillad: Not Reported

Drillzc: 0

Drilltx: Not Reported Operator: EUGENE SMITH License: Not Reported Date co: 22-FEB-66

Cbuilde: Not Reported Buildad: Not Reported

Buildzc: 0

Buildtx: Not Reported Fieldby: MT

Field d: 01-AUG-68 Courtby: Not Reported Court d: 01-AUG-68 Classby: Not Reported Class date: 01-MAY-66 Not Reported Accwo: Accwo date: 15-FEB-94 CLINTON County: Town: 21N 1W Rang:

Section: 10

Ctyperm: Not Reported Dnrvarn: Not Reported

Water supp: Not Reported

Bore hole: 0

Gravelp: 0 Irregla: Not Reported

Reserve: Not Reported Reserve: 0
Site id: INDNR1000078367

F26 SW IN WELLS INDNR1000078368 1/2 - 1 Mile

1/2 - 1 Mile Higher

> Refno: 306135 Comp date: 16-APR-60

Drive: 440' SW CORNER OF MANSON PIKE AND THORNTOWN RD

 County1:
 CLINTON
 Civilt:
 CENTER

 Town1:
 21N
 Range1:
 1W

 Quarter1:
 NW
 Quarter2:
 SW

Quarter3: SE

Section1: 9

Topo: FRANKFORT Subdiv: Not Reported

Lotno: Not Reported

Feetns: 1000 0 Feetsn: 0 Feetew: 1700 Feetwe: Utmx: 539880 Utmy: 4458100 Grnd elev: 865 102 Depth: Bedrock: 0 bedro 1: 0 763 Aquelv: Static: 0

Type test: Not Reported

 Pumprate:
 0

 Pumphou:
 0

 Pumpdw:
 0

 Bailerr:
 0

 Bailerh:
 0

 Bailerd:
 0

Welltype: Not Reported Well use: PUBLIC SUPPLY

Use other: Not Reported Method: Not Reported

Method other: Not Reported

Casingl: 0
Casingd: 0

Casingm: Not Reported

Screenl: 0 Screend: 0

Screenm: Not Reported Slot:

Liner top: 0
Linerdi: 0
Pumpset: 0

Type pump: Not Reported Pump other: Not Reported Quality: Not Reported Groutm: Not Reported

Groutf: 0 Groutt: 0

Methodg: Not Reported

Groutba: 0

Sealing: Not Reported Filledf: Not Reported Filledt: Not Reported Methods: Not Reported

Sealbag: 0

Owner: CITY OF FRANKFORT Ownerad: Not Reported

Ownerzc: 0

Ownertx: Not Reported Driller: Not Reported

Drillad: Not Reported

Drillzc: 0

Drilltx: Not Reported Operator: EUGENE SMITH License: Not Reported Date co: 14-APR-98

Cbuilde: Not Reported Buildad: Not Reported

Buildzc: 0

Buildtx: Not Reported Fieldby: MT

Field d: 01-AUG-68 Courtby: Not Reported 02-OCT-96 Court d: Classby: Not Reported 01-JUL-70 Not Reported Class date: Accwo: Accwo date: 08-JUL-97 County: CLINTON Town: 21N Rang: 1W

Section: 10

Ctyperm: Not Reported Dnrvarn: Not Reported

Water supp: Not Reported

Bore hole: 0

Gravelp: 0 Irregla: Not Reported

Reserve: Not Reported Reserve: 0

Site id: INDNR1000078368

F27
SW IN WELLS INDNR1000078369
1/2 - 1 Mile
Higher

Refno: 306143 Comp date: 15-SEP-59

Drive: 50' SW OF PRAIRIE AVE & MANSON RD INTER. 46' SE OF MANSON RD CENT. LINE & 60' NW OF PENN

RR

 County1:
 CLINTON
 Civilt:
 CENTER

 Town1:
 21N
 Range1:
 1W

 Quarter1:
 NE
 Quarter2:
 SW

Quarter3: SE

Section1: 9

Topo: FRANKFORT Subdiv: Not Reported

Lotno: Not Reported

Not Reported

1000 Feetns: Feetsn: 0 Feetew: 0 Feetwe: 1550 Utmx: 539875 Utmy: 4458100 Grnd elev: 862 Depth: 299 563 Bedrock: 299 bedro 1: Aquelv: 0 Static: 0

Type test: Not Reported

Pumprate: 0 0 Pumphou: 0 Pumpdw: Bailerr: 0 Bailerh: 0 Bailerd: 0

Well use: **TEST** Welltype: Not Reported Use other: Not Reported Method: **OTHER**

Method other: R, C, Casingl: 0 8 Casingd:

Casingm: Not Reported

Screenl: 0 Screend: 0

Not Reported Screenm:

0

Liner top: 0 Linerdi: 0

Pumpset:

Type pump: Not Reported Pump other: Not Reported Not Reported Not Reported Quality: Groutm:

Slot:

Groutf: 0

Groutt: 0

Methodg: Not Reported

Groutba:

Filledf: Sealing: Not Reported Not Reported Filledt: Not Reported Methods: Not Reported Sealbag:

Owner: CITY OF FRANKFORT Ownerad: Not Reported

0 Ownerzc:

LAYNE NORTHERN CO. Driller: Ownertx: Not Reported

MISHAWAKA, IN Drillad:

Drillzc:

HARRY A. SMITH Drilltx: Not Reported Operator: Date co: 14-APR-98

License: Not Reported

Not Reported Cbuilde: Buildad: Not Reported

Buildzc:

Not Reported Fieldby: Not Reported Buildtx: Not Reported 01-AUG-68 Field d: Courtby: Court d: 02-OCT-96 Classby: Not Reported Class date: 01-JUL-70 Not Reported Accwo: Accwo date: 08-JUL-97 County: CLINTON Town: 21N Rang: 1W

Section:

Ctyperm: Not Reported Dnrvarn: Not Reported

Water supp: Not Reported

Bore hole: 0

0 Irregla: Not Reported Gravelp:

Not Reported

0 Reserve: Not Reported Reserve: Site id: INDNR1000078369

G28 West 1/2 - 1 Mile **IN WELLS** INDNR1000078827

Higher

31523 Refno: Comp date: 20-APR-62

Drive: 1/2 BLOCK N OF WATER TOWER; W SIDE FRANKFORT; SR 28 IN EMPTY LOTS OF CHURCH; LADY MOVED

Well use:

Method:

WELL BURIED;

County1: CLINTON Civilt: **CENTER** Town1: 21N Range1: 1W Quarter1: SE Quarter2: SE

Quarter3: NW Section1: 9

FRANKFORT Subdiv: Topo: Not Reported

Lotno: Not Reported

Feetns: 0 Feetsn: 2175 Feetew: 2300 Feetwe: 0 539501 Utmx: Utmy: 4458752 Grnd elev: 860 76 Depth: 0

Bedrock: 0 bedro 1: Aquelv: 785 Static: 35 Type test: Α Pumprate: 10 Pumphou: 0 Pumpdw: 0 Bailerr: 0

Bailerh: 0 Bailerd: 0 Welltype: Not Reported

Use other: Not Reported Method other: Not Reported

Casingl: 0

Casingd: 0

Casingm: Not Reported

Screenl: 2.5 Screend: 1.8

Not Reported Slot: 30 Screenm:

Liner top: 0 Linerdi: 0 0 Pumpset:

Not Reported Not Reported Type pump: Pump other: Quality: Not Reported Groutm: Not Reported

Groutf: 0 Groutt:

Methodg: Not Reported

Groutba:

Sealing: Not Reported Filledf: Not Reported Filledt: Not Reported Methods: Not Reported

Sealbag: 0 **HOME**

JET

Owner: MRS LEE MCKIEZIE Ownerad: FRANKFORT #6

Ownerzc: 0

Ownertx: Not Reported Driller: BLAIRE RADAZ

Drillad: KIRKLANE

Drillzc: 0

Drilltx: Not Reported Operator: SACEAN License: Not Reported Date co: 28-APR-66

Cbuilde: Not Reported Buildad: Not Reported

Buildzc: 0

Buildtx: Not Reported Fieldby: DT

Field d: 01-JUL-74 Courtby: Not Reported Court d: 01-AUG-68 Classby: DB

Class date: 01-MAY-66 Accwo: Not Reported Accwo date: 15-FEB-94 County: CLINTON Town: Not Reported Rang: Not Reported

Section: 0

Ctyperm: Not Reported Drivarn: Not Reported

Water supp: Not Reported

Bore hole: 0

Gravelp: 0 Irregla: Not Reported

Reserve: Not Reported Reserve: 0
Site id: INDNR1000078827

29 WNW IN WELLS INDNR1000079012 1/2 - 1 Mile

Refno: 35109 Comp date: 01-AUG-84

Drive: E JCT W BARNER ST AND BLINN AVE ON BLINN AVE 1/4 MI HSE BACK A LN ON S SIDE

 County1:
 CLINTON
 Civilt:
 CENTER

 Town1:
 21N
 Range1:
 1W

 Quarter1:
 Not Reported
 Quarter2:
 NE

Quarter3: NW

Section1:

Lower

Topo: FRANKFORT Subdiv: Not Reported

Lotno: Not Reported

Feetns: 0 700 Feetsn: 2200 Feetew: Feetwe: 0 Utmx: 539497 Utmy: 4459201 Grnd elev: 850 Depth: 65 Bedrock: 0 bedro 1: 0 785 Aquelv: Static: 12 ΒP Type test: Pumprate: 15 Pumphou: 1 Pumpdw: 0

Bailerr: 15
Bailerh: 1
Bailerd: 0

Welltype: D Well use: HOME

CABLE TOOL Use other: Not Reported Method:

Method other: Not Reported

Casingl: 65 Casingd: 4

Casingm: Not Reported

Screenl: 3 Screend: 4

Screenm: Not Reported Slot: 30

0 Liner top: 0 Linerdi: Pumpset: 0

Not Reported Type pump:

Pump other: Not Reported Quality: Not Reported Groutm: Not Reported 0

Groutf: 0 Groutt:

Methodg: Not Reported

Groutba:

Filledf: Sealing: Not Reported Not Reported Filledt: Not Reported Methods: Not Reported

Sealbag: 0

DAVE BLUBAUGH Ownerad: R 6 FRANKFORT Owner:

Ownerzc: 46041

Ownertx: Not Reported Driller: HIGER & SON

R 1 THORNTOWN Drillad:

Drillzc: 46071

Drilltx: Not Reported Operator: LESTER J HIGER License: Not Reported Date co: 01-AUG-84

Not Reported Cbuilde: Buildad: Not Reported

Buildzc:

Buildtx: Not Reported Fieldby: Not Reported Field d: 01-JUL-94 Courtby: Not Reported 07-AUG-96 Court d: Classby: Not Reported 01-AUG-70 Not Reported Class date: Accwo: Accwo date: 01-MAR-62 County: CLINTON Town: Not Reported Rang: Not Reported

Section:

Ctyperm: Not Reported Water supp: Not Reported

Bore hole: 0

Gravelp: 0

Irregla: Not Reported

Reserve: Not Reported Reserve:

INDNR1000079012 Site id:

IN WELLS INDNR1000078349

Dnrvarn:

1/2 - 1 Mile Higher

> Refno: 31543 Comp date: 08-JAN-92

10' W AND 2' S OF WELL 16 450' SW OF INT MASON PIKE AND THORNTOWN RD WELL 17 RELINED Drive:

CLINTON CENTER County1: Civilt: Town1: 21N Range1: 1W SW Quarter1: NE Quarter2:

SE Quarter3: Section1:

Topo: **FRANKFORT** Subdiv: Not Reported

Lotno: Not Reported Not Reported

800 Feetns: Feetsn: 0 Feetew: 0 1900 Feetwe: 539835 Utmx: 4458050 Utmy: Grnd elev: 862 Depth: 270 0 Bedrock: 0 bedro 1: 590 Aquelv: Static: 34

Type test: Not Reported

Pumprate: 754
Pumphou: 0
Pumpdw: 69
Bailerr: 0
Bailerh: 0
Bailerd: 0

Welltype: Not Reported Well use: PUBLIC SUPPLY Use other: Not Reported Method: Not Reported

Method other: Not Reported

 Casingl:
 236

 Casingd:
 0

 Casingm:
 STEEL

 Screenl:
 25

 Screend:
 12

Screenm: Not Reported Slot: #7

Liner top: 0
Linerdi: 0
Pumpset: 0

Type pump: Not Reported Pump other: Not Reported Quality: Not Reported Groutm: Not Reported

Groutf: 0

Groutt: 0

Methodg: Not Reported

Groutba: 0

Sealing:Not ReportedFilledf:Not ReportedFilledt:Not ReportedMethods:Not Reported

Sealbag:

Owner: FRANKFORT WATER WORKS Ownerad: 260 E WASHINGTON FRANKFORT

Ownerzc: 46041

Ownertx: Not Reported Driller: PEERLESS MIDWEST INC

Drillad: 51255 BITTERSWEET RD GRANGER

Drillzc: 46530

 Drilltx:
 (219)272-9050
 Operator:
 MIKE GARRAGE

 License:
 216
 Date co:
 13-FEB-92

Cbuilde: Not Reported Buildad: Not Reported

Buildzc: 0

Buildtx: Not Reported Fieldby: SAR

Not Reported 01-AUG-92 Courtby: Field d: Court d: 01-AUG-68 Classby: Not Reported Class date: 01-AUG-68 Accwo: Not Reported Accwo date: 01-AUG-68 County: CLINTON 1W Town: 21N Rang:

Section: 9

Ctyperm: Not Reported Dnrvarn: Not Reported

Water supp: Not Reported

Bore hole: 0

Gravelp: 0 Irregla: Not Reported

0 Reserve: Not Reported Reserve:

Site id: INDNR1000078349

G31 WSW 1/2 - 1 Mile **IN WELLS** INDNR1000078731

Higher

31513 Refno: Comp date: 30-AUG-61

W EDGE OF FRANKFORT NEAR SR28 & WATER TOWER; BINN ADD. LOT 108; Drive: County1: CLINTON Civilt: **CENTER** Town1: 21N Range1: 1W SE Quarter1: SE Quarter2:

NW Quarter3:

Section1: 9

FRANKFORT Subdiv: Not Reported Topo:

Lotno: Not Reported

Feetns: 0 Feetsn: 0 Feetew: 0 Feetwe: 0 539490 Utmx: 4458637 Utmy: Grnd elev: 860 Depth: 79.6 0 Bedrock: bedro 1: 0 781 Aquelv: Static: 23

Type test: Not Reported

10 Pumprate: Pumphou: 2 Pumpdw: 0 Bailerr: 10 Bailerh: .5 0 Bailerd:

D Well use: HOME Welltype: Method: Use other: Not Reported CABLE TOOL

Method other: Not Reported

Casingl: 0

Casingd: 3

Casingm: Not Reported

Screenl: 0 Screend:

Screenm: Not Reported Slot: 30

Liner top: 0 Linerdi: 0 Pumpset: 0

Not Reported Pump other: Not Reported Type pump: Not Reported Quality: Groutm: Not Reported

Groutf: 0 Groutt: 0

Methodg: Not Reported

Groutba:

Not Reported Filledf: Sealing: Not Reported Filledt: Not Reported Methods: Not Reported

Sealbag:

Owner: ROSS ASHLEY Ownerad: FRANKFORT IND

Ownerzc: 0

Ownertx: Not Reported Driller: HIGER & SON

Drillad: COLFAX IND

Drillzc: 0

Drilltx: Not Reported Operator: LESTER HIGER License: Not Reported Date co: 31-AUG-61

Cbuilde: Not Reported Buildad: Not Reported

Buildzc: 0

Buildtx: Not Reported Fieldby: MT

Field d: 01-AUG-68 Courtby: Not Reported Court d: 01-AUG-68 Classby: JML Class date: 01-JAN-70 Accwo: Not Reported

Class date: 01-JAN-70 Accwo: Not Reported Accwo date: 15-FEB-94 County: CLINTON Town: Not Reported Rang: Not Reported Section: 0

Ctyperm: Not Reported Dnrvarn: Not Reported

Water supp: Not Reported

Bore hole: 0

Gravelp: 0 Irregla: Not Reported

Reserve: Not Reported Reserve: 0
Site id: INDNR1000078731

32 WSW IN WELLS INDNR1000078612

1/2 - 1 Mile Higher

Refno: 35087

Comp date: 14-JUN-88

Drive: WEST FRANKFORT ON SR 28 SOUTH BY SOUTH WEST OF HEATER TANK, BACK OF CIRCLE SUPPLY INC.

 County1:
 CLINTON
 Civilt:
 CENTER

 Town1:
 21N
 Range1:
 1W

 Quarter1:
 NE
 Quarter2:
 NE

Quarter3: SW

Section1: 9

Topo: FRANKFORT Subdiv: Not Reported

Lotno: Not Reported

Feetns: 2075 0 Feetsn: 2150 Feetew: Feetwe: 0 Utmx: 539500 Utmy: 4458460 Grnd elev: 863 Depth: 68 Bedrock: 0 bedro 1: 0 795 Aquelv: Static: 24

 Static:
 24

 Type test:
 P

 Pumprate:
 50

 Pumphou:
 1

 Pumpdw:
 0

 Bailerr:
 0

Bailerh: 0 Bailerd: 0

Welltype: D Well use: INDUSTRY

40

CABLE TOOL Use other: Not Reported Method:

Method other: Not Reported

Casingl: 68 Casingd: 4

Casingm: Not Reported

Screenl: 3 Screend: 4

Screenm: Not Reported Slot:

0 Liner top: 0 Linerdi: Pumpset: 0

Not Reported Pump other: Type pump:

Not Reported Quality: **CLEAR** Groutm: Not Reported Groutf: 0

Groutt: 0

Methodg: Not Reported

Groutba:

Not Reported Filledf: Sealing: Not Reported Filledt: Not Reported Methods: Not Reported

Sealbag: 0

CIRCLE SUPPLY INC. Ownerad: SR 28, W. FRANKFORT, IN Owner:

Ownerzc: 46041

Ownertx: Not Reported Driller: HIGER AND SON

RR, BOX 170, THORNTOWN, IN Drillad:

46071 Drillzc:

Drilltx: Not Reported Operator: LESTER J. HIGER License: Not Reported Date co: 14-JUN-88

Not Reported Cbuilde: Buildad: Not Reported

Buildzc:

Buildtx: Not Reported Fieldby: ΑK

Field d: 01-JUL-94 Courtby: Not Reported 07-AUG-96 Court d: Classby: Not Reported 01-AUG-70 Not Reported Class date: Accwo: Accwo date: 01-MAR-62 County: CLINTON Town: Not Reported Rang: Not Reported

Section:

Ctyperm: Not Reported Dnrvarn: Not Reported

Water supp: Not Reported

Bore hole: 0

Gravelp: 0 Irregla: Not Reported

Reserve: Not Reported Reserve:

INDNR1000078612 Site id:

IN WELLS INDNR1000078173

South 1/2 - 1 Mile Higher

Refno: 31654 Comp date: 01-JAN-20

S PILGRIM COLLEGE SW FRANKFORT ON 80W; OLD FARMHOUSE W SIDE BIG PORCH SW PART OF Drive:

FRANKFORT;

County1: CLINTON Civilt: CENTER Town1: 21N Range1: 1W NW Quarter1: SE Quarter2:

Quarter3: NW Section1: 15

FRANKFORT Topo: Subdiv: Not Reported

Not Reported Lotno:

0 Feetns: Feetsn: 775 Feetew: 1200 Feetwe: 0 540787 Utmx: Utmy: 4457581 Grnd elev: 864 Depth: 140 0 Bedrock: 0 bedro 1: Aquelv: 724 Static: 0 Type test: Not Reported Pumprate: 10 12 Pumphou: 10 Pumpdw: Bailerr: 0 Bailerh: 0 Bailerd: 0 Well use: Welltype: D Not Reported Use other: Not Reported Method: OTHER Method other: C & DRIVEN Casingl: 0 Casingd: 4 Not Reported Casingm: Screenl: 0 Screend: 0 Not Reported Not Reported Screenm: Slot: Liner top: 0 Linerdi: 0 Pumpset: 0 Type pump: Not Reported Pump other: Not Reported Not Reported Not Reported Quality: Groutm: Groutf: 0 Groutt: 0 Methodg: Not Reported Groutba: Filledf: Sealing: Not Reported Not Reported Filledt: Not Reported Methods: Not Reported Sealbag: Owner: MRS SJ BRATTON Ownerad: S MAIN FRANKFORT 0 Ownerzc: Not Reported Driller: HERSHEL L JOHNSON Ownertx: RR 1 BOX 27 FRANKFORT IND Drillad: Drillzc: Drilltx: Not Reported Operator: HERSHEL L JOHNSON License: Not Reported Date co: 14-JUN-73 Not Reported Cbuilde: Buildad: Not Reported Buildzc: Not Reported Fieldby: DT Buildtx: 01-JUL-74 Courtby: Not Reported Field d: Court d: 01-AUG-68 Classby: WLS Class date: 01-NOV-63 Accwo: Not Reported Accwo date: 01-AUG-68 County: CLINTON 2W Town: 21N Rang: Section: 15 Ctyperm: Not Reported Dnrvarn: Not Reported Water supp: Not Reported

Irregla:

Bore hole:

Gravelp:

0

Not Reported

0 Reserve: Not Reported Reserve: Site id: INDNR1000078173

34 WSW **IN WELLS** INDNR1000078590 1/2 - 1 Mile

Higher

35111 Refno: 18-JUN-88 Comp date:

Drive: SW OF WATER TANK W OF FRANKFORT

County1: CLINTON Civilt: **CENTER** Town1: 21N Range1: 1W Quarter1: SW Quarter2: NE

SW Quarter3: Section1: 9

FRANKFORT Subdiv: Not Reported Topo:

Lotno: Not Reported

2000 Feetns: Feetsn: 0 Feetew: 1700 Feetwe: 0 539340 Utmx: Utmy: 4458433 Grnd elev: 860 Depth: 75 Bedrock: 0 bedro 1: 0 785 Aquelv: Static: 20 Type test: В

Pumphou: Pumpdw: 0 Bailerr: 15 Bailerh: 1 0 Bailerd:

Pumprate:

Welltype: Well use: **INDUSTRY** D Not Reported Method: Use other: **CABLE TOOL**

Method other: Not Reported

0

0

Casingl: 75 Casingd: 4

Casingm: Not Reported

Screenl: 2 Screend: 4

Screenm: Not Reported Slot: .040

Liner top: 0 Linerdi: 0 Pumpset: 0

Not Reported Pump other: Not Reported Type pump: **CLEAR** Quality: Groutm: Not Reported

Groutf: 0 Groutt: 0

Methodg: Not Reported

Groutba:

Not Reported Filledf: Sealing: Not Reported Filledt: Not Reported Methods: Not Reported

Sealbag:

Owner: **ROBERT HEATON** Ownerad: 2056 E KELLY RD FRANKFORT

Ownerzc: 46041

Ownertx: Not Reported Driller: HIGER & SON

R 1 BX 170 THORNTOWN Drillad:

Drillzc: 46071

LESTER J HIGER Drilltx: Not Reported Operator:

License: Not Reported Date co: 18-JUN-88

Cbuilde: DAN PRICE R 3 FRANKFORT Buildad:

Buildzc: 46041

Buildtx: Not Reported Fieldby: Not Reported Field d: 01-JUL-94 Courtby: Not Reported Court d: 07-AUG-96 Classby: Not Reported Class date: 01-AUG-70 Not Reported Accwo: Accwo date: 01-MAR-62 CLINTON County: Not Reported Town: Not Reported Rang:

Section:

Not Reported Not Reported Ctyperm: Dnrvarn:

Water supp: Not Reported

Bore hole: 0

Gravelp: 0 Irregla: Not Reported

Reserve: Not Reported Reserve:

INDNR1000078590 Site id:

H35 **IN WELLS** INDNR1000078297

SW 1/2 - 1 Mile Higher

Refno: 31553

Comp date: 11-MAY-61 1835' SW OF MANSON RD & PRAIRIE AVE INTERSECTION

Drive:

County1: CLINTON CENTER Civilt: Town1: 21N Range1: 1W Quarter1: SE Quarter2: SE

SW Quarter3:

Section1: 9

FRANKFORT Subdiv: Topo: Not Reported

Lotno: Not Reported

Feetns: 0 2600 Feetsn: 300 Feetew: Feetwe: 0 Utmx: 539625 Utmy: 4457905 Grnd elev: 865 Depth: 99 Bedrock: 0 bedro 1: 0 775 Aquelv: Static: 0

Type test: Not Reported

0 Pumprate: Pumphou: 0 Pumpdw: 0 0 Bailerr: Bailerh: 0 Bailerd:

Welltype: Not Reported Well use: Not Reported

Pump other:

Groutm:

Not Reported

Not Reported

Not Reported

Use other: Not Reported Method: Not Reported

Method other: Not Reported

Casingl: 79 Casingd: 26

Casingm: Not Reported

Screenl: 20 Screend: 12

Screenm: Not Reported Slot: 6

Liner top: 0 Linerdi: 0 Pumpset: 0

Type pump: Not Reported

Quality: Not Reported Groutf: 0

Groutt: 0

Methodg: Not Reported

Groutba: 0

Sealing: Not Reported Filledf: Not Reported Filledf: Not Reported Methods: Not Reported

Sealbag: 0

Owner: CITY OF FRANKFORT Ownerad: Not Reported

Ownerzc: 0

Ownertx: Not Reported Driller: LAYNE NORTHERN

Drillad: MISHAWAKA IND

Drillzc: 0

Drilltx: Not Reported Operator: H SMITH JR License: Not Reported Date co: 31-JAN-68

Cbuilde: Not Reported Buildad: Not Reported

Buildzc: 0

Buildtx: Not Reported Fieldby: MT

Field d: 01-AUG-68 Courtby: Not Reported 01-AUG-68 Court d: Classby: Not Reported 01-JUN-63 Not Reported Class date: Accwo: Accwo date: 01-AUG-68 County: CLINTON Town: 21N Rang: 1W

Section: 10

Ctyperm: Not Reported Dnrvarn:

Water supp: Not Reported

Bore hole: 0

Gravelp: 0 Irregla: Not Reported

Reserve: Not Reported Reserve: 0

Site id: INDNR1000078297

H36
SW
IN WELLS
INDNR1000078298
1/2 - 1 Mile
Higher

Refno: 306134 Comp date: 11-MAY-61

Drive: 1835' SW OF MANSON RD & PRIAIRE AVE INTERSECTION 50' S OF MANSON RD & 50' NW OF PENN RR

 County1:
 CLINTON
 Civilt:
 CENTER

 Town1:
 21N
 Range1:
 1W

 Quarter1:
 SE
 Quarter2:
 SE

Quarter3: SW Section1: 9

Topo: FRANKFORT Subdiv: Not Reported

Lotno: Not Reported

300 Feetns: Feetsn: 0 Feetew: 2600 Feetwe: 0 539625 Utmx: Utmy: 4457905 Grnd elev: 865 Depth: 99 0 Bedrock: 0 bedro 1: 775 Aquelv: Static: 0

Type test: Not Reported

 Pumprate:
 0

 Pumphou:
 0

 Pumpdw:
 0

 Bailerr:
 0

 Bailerh:
 0

 Bailerd:
 0

Welltype: Not Reported Well use: PUBLIC SUPPLY Use other: Not Reported Method: Not Reported

Method other: Not Reported

Casingl: 79 Casingd: 26

Casingm: Not Reported

Screenl: 20 Screend: 12

Screenm: Not Reported Slot: #6

Liner top: 0
Linerdi: 0
Pumpset: 0

Type pump: Not Reported Pump other: Not Reported Quality: Not Reported Groutm: Not Reported

Groutf: 0 Groutt: 0

Methodg: Not Reported

Groutba: 0

Sealing: Not Reported Filledf: Not Reported
Filledt: Not Reported Methods: Not Reported

Sealbag: 0
Owner: CITY OF FRANKFORT Ownerad: Not Reported

Ownerzc: 0

Ownertx: Not Reported Driller: Not Reported

Drillad: Not Reported

Drillzc: 0

Drilltx: Not Reported Operator: H.A. SMITH JR. License: Not Reported Date co: 14-APR-98

Cbuilde: Not Reported Buildad: Not Reported

Buildzc: 0

Buildtx: Not Reported Fieldby: MT

01-AUG-66 Not Reported Field d: Courtby: Court d: 02-OCT-96 Classby: Not Reported Class date: 01-JUL-70 Not Reported Accwo: Accwo date: 08-JUL-97 County: CLINTON Town: 21N Rang: 1W

Section: 10

Ctyperm: Not Reported Dnrvarn: Not Reported

Water supp: Not Reported

Bore hole: 0

Gravelp: 0 Irregla: Not Reported

Reserve: Not Reported Reserve: 0

Site id: INDNR1000078298

H37 SW IN WELLS INDNR1000078299

1/2 - 1 Mile Higher

> Refno: 306169 Comp date: 11-APR-61

Drive: 1835' SW OF MANSON RD & PRAIRIE AVE JCT 50' S OF MANSON RD & 50' NW OF PENN RR

 County1:
 CLINTON
 Civilt:
 CENTER

 Town1:
 21N
 Range1:
 1W

 Quarter1:
 SE
 Quarter2:
 SE

Quarter3: SW Section1: 9

Topo: FRANKFORT Subdiv: Not Reported

Lotno: Not Reported

Feetns: 300 Feetsn: 0 Feetew: 2500 Feetwe: 0 539625 Utmx: Utmy: 4457905 Grnd elev: 865 Depth: 99 0 Bedrock: bedro 1: 0 775 Aquelv: Static: 0

Type test: Not Reported

 Pumprate:
 0

 Pumphou:
 0

 Pumpdw:
 0

 Bailerr:
 0

 Bailerh:
 0

 Bailerd:
 0

Welltype: Not Reported Well use: PUBLIC SUPPLY Use other: Not Reported Method: Not Reported

Method other: Not Reported

Casingl: 79 Casingd: 26

Casingm: Not Reported

Screenl: 20 Screend: 12

Screenm: Not Reported Slot: #6

Liner top: 0
Linerdi: 0
Pumpset: 0

Type pump: Not Reported Pump other: Not Reported Quality: Not Reported Groutm: Not Reported

Groutf: 0 Groutt: 0

Methodg: Not Reported

Groutba: 0

Sealing: Not Reported Filledf: Not Reported Filledf: Not Reported Methods: Not Reported

Sealbag: 0

Owner: CITY OF FRANKFORT Ownerad: Not Reported

Ownerzc:

Ownertx: Not Reported Driller: LAYNE NORTHERN CO.

MISHAWAKA, IN Drillad:

Drillzc:

H.A. SMITH JR Drilltx: Not Reported Operator: License: Not Reported Date co: 10-FEB-98

Cbuilde: Not Reported Not Reported Buildad:

Buildzc:

Buildtx: Not Reported Fieldby: MT

Field d: 01-AUG-65 Courtby: Not Reported Court d: 02-OCT-96 Classby: Not Reported Class date: 01-JUL-70 Not Reported Accwo: Accwo date: 08-JUL-97 CLINTON County: 1W Town: 21N Rang:

Section: 10 Not Reported Not Reported Ctyperm: Dnrvarn:

Water supp: Not Reported

Bore hole: 0

Gravelp: Irregla: Not Reported

Reserve: Not Reported Reserve: INDNR1000078299 Site id:

H38 INPWS000001247 IN WELLS

SW 1/2 - 1 Mile Higher

> Pwsid: 5212003 Well numbe: 7

Well num d: #18 G3a Method cod: Desccode t: Facility Desccode 1:

Regulated Unit Desccode 2: Point Source Dataownerc: 24 4458073.522 Utm north: Utm east: 539572.005 Hae meters: 232.997 Msl meters: 267.687 Latitude: 40.272201369 Longitude: -86.534556249

01-NOV-00 IDEM Gps correc: Sampler:

Site id: INPWS0000001247

INDNR1000079533

IN WELLS NNE

1/2 - 1 Mile Lower

> Refno: 31571 Comp date: 06-NOV-78

N OF FRANKFORT ON ST RD 75 AOBUT 1/4 MILE; W SIDE OF ROAD; Drive: **CENTER** County1: CLINTON Civilt: Town1: 1W 21N Range1: Quarter1: SE Quarter2: SE

Quarter3: NW Section1: 3

FRANKFORT Not Reported Topo: Subdiv:

Not Reported Lotno:

0 Feetns: Feetsn: 2100 Feetew: 2400 Feetwe: 0 Utmx: 541118 4460359 Utmy: Grnd elev: 850 Depth: 75 0 Bedrock: 0 bedro 1: 775 Aquelv: Static: 5 Type test: Not Reported Pumprate: 15 Pumphou: 1 10 Pumpdw: Bailerr: 15 Bailerh: 1 Bailerd: 10 Well use: HOME Welltype: D Use other: Not Reported Method: CABLE TOOL Method other: Not Reported Casingl: 75 Casingd: 4 Casingm: Not Reported Screenl: 3 Screend: 4 Not Reported 50 Screenm: Slot: Liner top: 0 Linerdi: 0 Pumpset: 0 Type pump: Not Reported Pump other: Not Reported Not Reported Not Reported Quality: Groutm: Groutf: 0 Groutt: 0 Methodg: Not Reported Groutba: Filledf: Sealing: Not Reported Not Reported Filledt: Not Reported Methods: Not Reported Sealbag: 0 Owner: FRED BROWN Ownerad: RR 1 11 S DELPHIA AVE FRANKFORT IND 0 Ownerzc: Not Reported Driller: HIGER & SON Ownertx: RR 1 THORNTOWN IND Drillad: Drillzc: 46071 Drilltx: Not Reported Operator: MICHAEL J HIGER License: Not Reported Date co: 06-NOV-78 Not Reported Cbuilde: Buildad: Not Reported Buildzc: Not Reported Fieldby: Not Reported Buildtx: 01-JUL-74 Courtby: Not Reported Field d: Court d: 01-AUG-68 Classby: Not Reported Class date: 01-JAN-72 Accwo: Not Reported Accwo date: 01-AUG-68 County: CLINTON Town: Not Reported Rang: Not Reported Section: Ctyperm: Not Reported Dnrvarn: Not Reported Water supp: Not Reported

Irregla:

Bore hole:

Gravelp:

0

Not Reported

Reserve: Not Reported Reserve: 0
Site id: INDNR1000079533

H40 SW IN WELLS INDNR1000078277 1/2 - 1 Mile

1/2 - 1 Mile Higher

> Refno: 306144 Comp date: 22-OCT-59

Drive: 1800' SW OF MANSON RD AND PRIAIRE AVE INTERSECTION 40' S OF MANSON RD & 60' NW OF PENN RR

 County1:
 CLINTON
 Civilt:
 CENTER

 Town1:
 21N
 Range1:
 1W

 Quarter1:
 SE
 Quarter2:
 SE

Quarter3: SW Section1: 9

Topo: FRANKFORT Subdiv: Not Reported

Lotno: Not Reported

Feetns: 50 Feetsn: 0 Feetew: 0 Feetwe: 2800 539550 Utmx: Utmy: 4457850 Grnd elev: 860 Depth: 304 556 Bedrock: bedro 1: 304 0 Aquelv: Static: 0

Type test: Not Reported

 Pumprate:
 0

 Pumphou:
 0

 Pumpdw:
 0

 Bailerr:
 0

 Bailerh:
 0

 Bailerd:
 0

Welltype: Not Reported Well use: TEST Use other: Not Reported Method: OTHER

Method other: R, C
Casingl: 0
Casingd: 8

Casingm: Not Reported

Screenl: 0 Screend: 0

Screenm: Not Reported Slot: Not Reported

Liner top: 0
Linerdi: 0
Pumpset: 0

Type pump: Not Reported Pump other: Not Reported Quality: Not Reported Groutm: Not Reported

Groutf: 0 Groutt: 0

Methodg: Not Reported

Groutba: 0

Sealing: Not Reported Filledf: Not Reported Filledf: Not Reported Methods: Not Reported

Sealbag: 0

Owner: FRANKFORT CITY WATER CO. Ownerad: Not Reported

Ownerzc: 0

Ownertx: Not Reported Driller: LAYNE NORTHERN CO.

Drillad: MISHAWAKA, IN

Drillzc: 0

Drilltx: Not Reported Operator: JOHN SHEPHERD

License: Not Reported Date co: 14-APR-98

Cbuilde: Not Reported Buildad: Not Reported

Buildzc: 0

Buildtx: Not Reported Fieldby: Not Reported Field d: 01-AUG-68 Courtby: Not Reported Court d: 02-OCT-96 Classby: Not Reported Class date: 01-JUL-70 Not Reported Accwo: Accwo date: 08-JUL-97 CLINTON County: 1W Town: 21N Rang:

Section: 9

Ctyperm: Not Reported Dnrvarn: Not Reported

Water supp: Not Reported

Bore hole: 0

Gravelp: 0 Irregla: Not Reported

Reserve: Not Reported Reserve: 0

Site id: INDNR1000078277

41
SSE IN WELLS INDNR1000078149

1/2 - 1 Mile Higher

> Refno: 31666 Comp date: 26-OCT-73

Drive: SW CORNER OF FRANKFORT CORNER OF GREEMAN ST; P61 - 22 ACRES; SW CORNER OFI; CRD'S 100S - 80

W;

 County1:
 CLINTON
 Civilt:
 CENTER

 Town1:
 21N
 Range1:
 1W

 Quarter1:
 SW
 Quarter2:
 NW

Quarter3: NE Section1: 15

Topo: FRANKFORT Subdiv: Not Reported

Lotno: Not Reported

0 Feetns: 1050 Feetsn: Feetew: 2700 Feetwe: 0 Utmx: 541236 Utmy: 4457502 Grnd elev: 865 Depth: 72 Bedrock: 0 0 bedro 1: Aquelv: 793 Static: 22

Type test: Not Reported

Pumprate: 0
Pumphou: 0
Pumpdw: 0
Bailerr: 0
Bailerh: 0
Bailerd: 0

Welltype: D Well use: HOME

Slot:

40

Not Reported

Use other: Not Reported Method: CABLE TOOL

Method other: Not Reported

Casingl: 72 Casingd: 4

Casingm: Not Reported

Screenl: 2 Screend: 3

Screenm: Not Reported

Liner top: 0
Linerdi: 0
Pumpset: 0

Type pump: Not Reported Pump other: Not Reported Quality: Not Reported Groutm: Not Reported

Groutf: 0 Groutt: 0

Methodg: Not Reported

Groutba: 0

Sealing: Not Reported Filledf: Not Reported Filledf: Not Reported Methods: Not Reported

Sealbag: 0

Owner: CLINTON K WOODRUFF Ownerad: 52 W HARRISON FRANKFORT IND

Ownerzc: 0

Ownertx: Not Reported Driller: LESTER J HIGER

Drillad: RR 1 FRANKFORT IND

Drillzc: 0

Drilltx: Not Reported Operator: Not Reported License: Not Reported Date co: 26-OCT-73

Cbuilde: Not Reported Buildad: Not Reported

Buildzc: 0

Buildtx: Not Reported Fieldby: JWR

Field d: 13-JUL-84 Courtby: Not Reported 01-AUG-68 Not Reported Court d: Classby: 01-JUL-64 Class date: HCK Accwo: Accwo date: 01-DEC-73 County: CLINTON Town: Not Reported Rang: Not Reported

Section: 0

Ctyperm: Not Reported

Water supp: Not Reported

Bore hole: 0

Gravelp: 0 Irregla: Not Reported

Reserve: Not Reported Reserve: 0

Site id: INDNR1000078149

NNE IN WELLS INDNR1000079522 1/2 - 1 Mile Lower

Dnrvarn:

Refno: 35107 Comp date: 10-JUL-86

 Drive:
 WESLEY MANOR RETIREMENT COMMUNITY WESTWOOD DRIVE

 County1:
 CLINTON
 Civilt:
 CENTER

 Town1:
 21N
 Range1:
 1W

 Quarter1:
 SW
 Quarter2:
 SW

Quarter3: NE Section1: 3

Topo: FRANKFORT Subdiv: Not Reported

Lotno: Not Reported

0 Feetns: Feetsn: 2200 Feetew: 0 Feetwe: 1800 Utmx: 541412 4460310 Utmy: Grnd elev: 840 Depth: 80 0 Bedrock: 0 bedro 1: 760 Aquelv: Static: 24 Type test: Not Reported Pumprate: 30 Pumphou: 1 0 Pumpdw: Bailerr: 0 Bailerh: 0 Bailerd: 0 Well use: HOME Welltype: D Use other: Not Reported Method: CABLE TOOL Method other: Not Reported Casingl: 80 Casingd: 4 Not Reported Casingm: Screenl: 3 Screend: 4 Not Reported 40 Screenm: Slot: Liner top: 0 0 Linerdi: Pumpset: 0 Type pump: S Pump other: Not Reported CLEAR Not Reported Quality: Groutm: Groutf: 0 Groutt: 0 Methodg: Not Reported Groutba: Not Reported Filledf: Sealing: Not Reported Filledt: Not Reported Methods: Not Reported Sealbag: Owner: ADRIAN R MARKS Ownerad: 901 WHAMBRA AV FRANKFORT IN 0 Ownerzc: Not Reported Driller: HIGER & SON Ownertx: RR 1 THORNTOWN IN Drillad: Drillzc: Drilltx: Not Reported Operator: LESTER J HIGER License: Not Reported Date co: 10-JUL-86 Not Reported Cbuilde: Buildad: Not Reported Buildzc: Not Reported Fieldby: Not Reported Buildtx: 01-JUL-94 Courtby: Not Reported Field d: Court d: 07-AUG-96 Classby: Not Reported Class date: 01-AUG-70 Accwo: Not Reported Accwo date: 01-MAR-62 County: CLINTON Town: Not Reported Rang: Not Reported Section: Ctyperm: Not Reported Dnrvarn: Not Reported Water supp: Not Reported Bore hole: 0

Irregla:

0

Gravelp:

Not Reported

Reserve: Not Reported Reserve: 0
Site id: INDNR1000079522

AREA RADON INFORMATION

State Database: IN Radon

Radon Test Results

Zipcode	Year	Test Type Location		Result
46041	0	Unknown	Other	3.8
46041	0	Unknown	Other	6.1
46041	2000	Unknown	Other	3.8
46041	1997	Short Term	1st Floor	1.8
46041	1994	Unknown	Other	14.0
46041	0	Short Term	Basement	3.6
46041	2000	Short Term	Other	3.6
46041	0	Short Term	Basement	11.3
46041	0	Short Term	1st Floor	2.8
46041	0	Short Term	Other	6.2
46041	1998	Short Term	Other	139.5
46041	1997	Short Term	1st Floor	0.3
46041	1998	Short Term	Basement	6.0
46041	1996	Short Term	Other	1.8
46041	1997	Post-Mitigation Other		4.3
46041	2003	Post-Mitigation	1st Floor	0.7
46041	2001	Short Term	1st Floor	2.7
46041	2001	Short Term	Basement	8.6
46041	2002	Short Term 1st Floor		5.6
46041	2002	Short Term	Basement	6.2
46041	2000	Unknown	Other	1.9
46041	1997	Short Term	Basement	2.8
46041	1998	Short Term	Basement	67.7
46041	2000	Short Term	Basement	3.8
46041	1996	Short Term	Other	0.7
46041	2000	Short Term	Other	3.5

Federal EPA Radon Zone for CLINTON County: 1

Note: Zone 1 indoor average level > 4 pCi/L.

: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.

: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for Zip Code: 46041

Number of sites tested: 4

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	2.700 pCi/L	50%	50%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	5.675 pCi/L	75%	25%	0%

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey

EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Scanned Digital USGS 7.5' Topographic Map (DRG)

Source: United States Geologic Survey

A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

HYDROLOGIC INFORMATION

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 2003 & 2011 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

HYDROGEOLOGIC INFORMATION

AQUIFLOW^R Information System

Source: EDR proprietary database of groundwater flow information

EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit

Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map. USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Services

The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Services (NRCS)

Telephone: 800-672-5559

SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Services, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)

This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

Public Water Supply Wells

Source: Department of Environmental Management

Telephone: 317-308-3323

Community and non-community drinking water wells.

Water Wells Database

Source: Indiana Geological Survey

Telephone: 812-855-7636

Shows data points that represent water wells contained in the Lithologic database, which is derived from the water

well database of the Indiana Department of Natural Resources

OTHER STATE DATABASE INFORMATION

RADON

State Database: IN Radon Source: Department of Health Telephone: 317-233-7148 Radon Test Results

Area Radon Information Source: USGS

Telephone: 703-356-4020

The National Radon Database has been developed by the U.S. Environmental Protection Agency

(USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones

Source: EPA

Telephone: 703-356-4020

Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor

radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities

Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater

Source: Department of Commerce, National Oceanic and Atmospheric Administration

Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary faultlines, prepared

in 1975 by the United State Geological Survey

PHYSICAL SETTING SOURCE RECORDS SEARCHED

STREET AND ADDRESS INFORMATION

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otification for Underground Storage Tanks

FORM APPROVED OMB NO. 2050-0049
APPROVAL EXPIRES 6-30-88

FOR :

3. septic tanks:

RETURN △ FORM TO **Division of Land Pollution Control** UST Program Indiana State Board of Health P.O. Box 7015 Indianapolis, IN 46207

(317) 243-5060

STATE USE ONLY I.D. Number

001568

Date Received

GENERAL INFORMATION

Notification is required by Federal law for all underground tanks that have been used to store regulated substances since January 1, 1974, that are in the ground as of May 8, 1986, or that are brought into use after May 8, 1986. The information requested is required by Section 9002 of the Resource Conservation and Recovery Act, (RCRA), as amended.

The primary purpose of this notification program is to locate and evaluate under-ground tanks that store or have stored petroleum or hazardous substances. It is expected that the information you provide will be based on reasonably available records, or, in the absence of such records, your knowledge, belief, or recollection.

Who Must Notify? Section 9002 of RCRA, as amended, requires that, unless exempted, owners of underground tanks that store regulated substances must notify designated State or local agencies of the existence of their tanks. Owner means—

(a) in the case of an underground storage tank in use on November 8. 1984. or brought into use after that date, any person who owns an underground storage tank used for the storage, use, or dispensing of regulated substances, and

(ii) in the case of any underground storage tank in use before November 8, 1984. but no longer in use on that date, any person who owned such tank immediately before the discontinuation of its use.

What Tanks Are Included? Underground storage tank is defined as any one or combination of tanks that (1) is used to contain an accumulation of "regulated substances, "and (2) whose volume (including connected underground piping) is 10% or

What Tanks Are Excluded? Tanks removed from the ground are thost subject to notification. Other tanks excluded from notification are:

1. farm or residential tanks of 1, 100 gallons or less capacity used for storing motor fuel

2. tanks used for storing heating oil for consumptive use on the promises where stored.

3. septic tanks:

for noncommercial purposes:

submitted information is true, accurate, and complete.

4. pipeline facilities (including gathering lines) regulated under the Natural Gas Pipeline Safety Act of 1968, or the Hazardous Liquid Pipeline Safety Act of 1979, or which is an intrastate pipeline facility regulated under State laws;
5. surface impoundments, pits, ponds, or lagoons;

6. storm water or waste water collection systems;

7. flow-through process tanks:

8. liquid traps or associated gathering lines directly related to oil or gas production and

gathering operations;

storage tanks situated in an underground area (such as a basement, cellar. mineworking, drift, shaft, or tunnel) if the storage tank is situated upon or above the surface of the floor.

What Substances Are Covered? The notification requirements apply to underremain Substitutes are covered: The institutation requirements apply to underground storage tanks that contain regulated substances. This includes any substance defined as hazardous in section 101 (14) of the Comprehensive Environmental Response. Compensation and Liability Act of 1980 (CERCLA), with the exception of those substances regulated as hazardous waste under Substitle C of RCRA. It also includes petroleum, e.g., crude oil or any fraction thereof which is liquid at standard conditions of temperature and pressure 160 degrees Enhanches and 14.7 notations. conditions of temperature and pressure (60 degrees Fahrenheit and 14.7 pounds per square inch absolute).

Where To Notify? Completed notification forms should be sent to the address given at the top of this page.

stances." and (2) whose volume (including connected underground piping) and the more beneath the ground. Some examples are underground tanks storing. It is assumed the ground. Some examples are underground tanks storing. It is assumed to discontinuous and the ground storage tanks in use or that have been used oil, or diesel fuel, and 2, industrial solvents, pesticides, her bicides of furnigants. When To Notify? 1. Owners of underground storage tanks in use or that have been taken out of operation after January 1, 1974, but still in the ground, must notify by May 8, 1986. 2. Owners who bring underground storage tanks into use after May 8, 1986, must notify within 30 days of bringing the tanks into use.

Penalties: Any owner who knowingly fails to notify or submits false information shall be subject to a civil penalty not to exceed \$10,000 for each tank for which notification is not given or for which false information is submitted.

INSTRUCTIONS

Please type or print in ink all items except "signa each location containing underground storage tau photocopy the reverse side, and staple continuation	nks. If more than 5 tanks	orm must by completed for are owned at this location.	Indicate number of continuation sheets attached		
I. OWNERSHIP OF TANK(S)		II. LOC	ATION OF TANK(S)		
Owner Name (Corporation, Individual, Public Agency,		(If same as Se	ction 1, mark box here)		
Del Monte Corporation -#108		Facility Name or Company S	Facility Name or Company Site Identifier, as applicable		
Street Address					
P. O.Box 99	·	<u>Del Monte Corpora</u>	ation - Plant #108		
County		Street Address or State Road	l, as applicable		
Clinton		901 Morrison Stre	<u>et</u>		
City State	ZIP Code	County	·		
Frankfort, Indiana	<u>460</u> 41	_Clinton			
Area Code Phone Number		City (nearest) State ZIP Code			
(317) 654-4421 -	·	Frankfort,	Indiana 46041		
Type of Owner (Mark all that apply ☑) ☑ Current ☐ State or Local Gov't ☐ Former ☐ Federal Gov't (GSA facility I.D. no.	Private or Corporate Ownership uncertain	Indicate number of tanks at this location	Mark box here if tank(s) are located on land within an Indian reservation or on other Indian trust lands		
	III. CONTACT PERSO	N'AT TANK LOCATION			
Name (If same as Section I, mark box here)	Job Title		Area Code Phone Number		
Richard A. Gerchow	Real Estate	e Dept.	(415) 442-4000		
	IV. TYPE OF	NOTIFICATION			
Mark box here only if this is an amended or subsequent notification for this location.					
V. CERTIFICATION (Read and sign after completing Section VI.)					
I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached					

Date Signed Name and official title of owner or owner's authorized representative Signature Richard A. Gerchow (Real Estate Dept.)

CONTINUE ON REVERSE SIDE

EPA Form 7530-1 (11-85)

Page 1

				Page No. 1	O 1 A
VI. DESCRIPTION OF UNDERGROUN					
Tank Identification No. (e.g., ABC-123), or Arbitrarily Assigned Sequential Number (e.g., 1,2,3)	Tank No.	Tank No.	Tank No.	Tank No.	Tank No.
1. Status of Tank (Mark all that apply III) Temporarily Out of Use Permanently Out of Use Brought into Use after 5/8/86					
2. Estimated Age (Years)	23				
3. Estimated Total Capacity (Gallons)	15,000				
4. Material of Construction Steel (Mark one 图) Concrete Fiberglass Reinforced Plastic Unknown					
Other, Please Specify					
5. Internal Protection (Mark all that apply 10) Interior Lining (e.g., epoxy resins) None Unknown					
Other, Please Specify					
6. External Protection (Mark all that apply 2) Cathodic Protection Painted (e.g., asphaltic) Fiberglass Reinforced Plastic Coated None Unknown Other, Please Specify					
7. Piping (Mark all that apply 図) Galvanized Steel Fiberglass Reinforced Plastic Cathodically Protected Unknown Other, Please Specify					
8. Substance Currently or Last Stored a. Empty					
in Greatest Quantity by Volume (Mark all that apply 図) Diesel Kerosene Gasoline (including alcohol blends) Used Oil					
Other, Please Specify c. Hazardous Substance					
Please Indicate Name of Principal CERCLA Substance oR Chemical Abstract Service (CAS) No. Mark box 2 if tank stores a mixture of substances d. Unknown					
9. Additional Information (for tanks permanently taken out of service)	8 / 83		,	,	,
 a. Estimated date last used (mo/yr) b. Estimated quantity of substance remaining (gal.) 	0				
			1	1	



May 8 2 31 PM '86

Del Monte Corporation, Eastern Region, P.O. Box 89, Rochelle Illinois 61968 Telephone 815/562-2141

POLLUTION CONTROL STATE

BOARD OF HEALTH

May 5, 1986

Division of Land Pollution Control UST Program Indiana State Board of Health P. O. Box 7015 Indianapolis, IN 46207

TO WHOM IT MAY CONCERN:

Enclosed are the notification forms concerning underground storage tanks located on facilities belonging to the Del Monte Corporation in your state.

These forms have been completed, based on our knowledge and interpretation of the EPA Codes and Standards.

Please advise us if any further action must be taken in order to comply with these regulations.

Should it be necessary to contact me, I can be reached at my office, (815) 562-2141 Ext. 362.

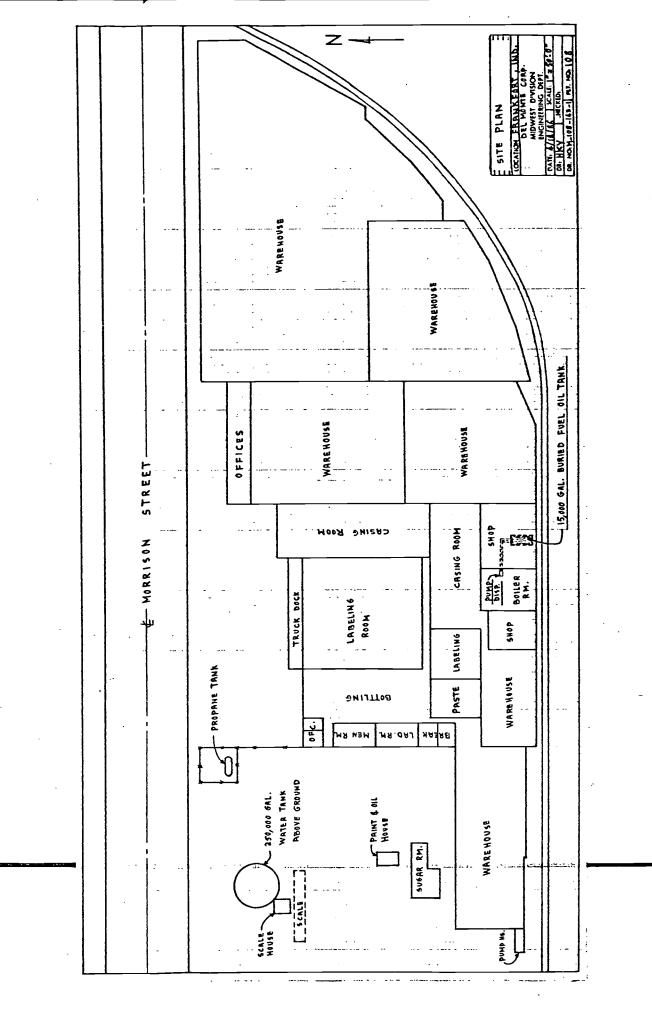
Sincerely,

DEL MONTE, USA Rochelle - #155

Hassan K. Yatim Engineer

HKY:mjb enc.

enc.
cc: Rich Fish - WCRC w/att.
Todd Simon - WCO w/att.
Wilbur Sprague - WCO
Hao Huang - #155
Richard Gerchow - SFO w/att.



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT OFFICE OF SOLID AND HAZARDOUS WASTE COMPLAINT INVESTIGATION REPORT

EPA or State ID# I N N Name Fride Botteny Corp. City Judget Investigator 2. Damly	Address 901 w. Moris State V Date of Investigation	21 1117 24	5 6 3 Time 9:30Am
Person(s) Interviewed Soe Gi>ARA Welk Cunnerto Bill Mills	Manager Manager Chuiton Eng.	•	Telephone
Investigation Findings/Conclusion	s and Recommendations		
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water Treatment system. No	SigiOOs were ween,	ر د مثیل ک یک و	<u> 20</u> .
No drains were soon for it	•		
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COMP	LAINT FOLLOW-U	PACTION	5729Y
TO: <u>CPG</u>		DATE: 10/29	
PROM: DBR		THRU:	
Responsible Party: Exile	Carp		
Date of Complaint 10/21/93			
	ACTION		
Enter in HWIMS	File Rev	?iew	
Forward to: SWMB, PRP, CHM,	OZA, OÇI,	, ust, er, state, cercli	S, CERCLA
Other			
Copy to: SMMB, PRP, CMM, ON	M, OEA, OCI, US	ST, ER, STATE, CERCLIS,	CERCIA
Other			
File: Public	Complai	int	
Return to	for further	instructions	
Inspect as (COI) (CEI)	other)	by	
		(date)	
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INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT OFFICE OF SOLID AND HAZARDOUS WASTE COMPLAINT REPORT

Date Received 10/21/93 Complaint Report Submitted by MW/helm
How was complaint received? Phone Letter, Other)
Have the allegations in this complaint been previously reported to any other agencies,
Have the allegations in this complaint been previously reported to any other agencies, officials, or persons? YESNO To Whom:
COMPLAINT INFORMATION (C) AN (C)
Address & Teal to confirm if youlke)
Name
• -
Describe how the Complainant is aware of and/or affected by the alleged activity (e.g.,
employee, neighbor, etc.) has friend that works there
RESPONSIBLE PARTY INFORMATION (Complete as applicable or available)
Name Epide Corp. Distribution Center
Address 901 West Morrison St.
City Frakfat State Zip Exact Location of alleged activity Re-foot department
Exact Location of alleged activity Re-Loost desatment
NATURE OF COMPLAINT - Describe specific allegations, quantity and types of
materials involved, supporting information, when does the activity occur, how long has
the activity been going on, etc.?
Acid sillage occurs on the floor in the 12-boot deft.
the activity been going on, etc.? Acid spillage occurs on the floor in the 1e-boot dept.
When low batteries are returned, they are serviced here.
TO TOWN AND TO THE PARTY OF THE
Battery explosions, automatic + manual electrolyte filling
contribute to spills. Wet sweeping machine get
Consultate in Africa.
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been removed, wet sweeper used + dunged as usual, and drives
ween removed, we subject with the first the
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of herris ail steine stores in a recommendation
debris are being stored in a room next to the re-boost degratment.
· · · · · · · · · · · · · · · · · · ·
TRACKING INFORMATION - Entered in tracking system, yes X no X initials (1)
County ErA of State ID# No State ID#
Copy made for file () Filed in:
P.D. 3/31/94

APPENDIX E

QUALIFICATIONS OF ENVIRONMENTAL PROFESSIONAL(S)





KEITH B. EGAN, CP SENIOR CONSULTANT

(513) 319-8918



egan@sme-usa.com

- Brownfield Redevelopment
- Remediation Alternative Expert
- Liability Management
- Senior Project Manager

BACKGROUND

Keith has 38 years of experience with environmental evaluations and consulting, including 17 years with the Ohio Voluntary Action Program (VAP). He provides senior technical consulting and project management in the areas of brownfield redevelopment and financing, site investigation and remediation, environmental due diligence, regulatory compliance, Resource Conservation and Recovery Act (RCRA) Corrective Action, and environmental chemistry. Keith is an expert in risk-based, cost-effective approaches to brownfield redevelopment and environmental response actions, and identification and acquisition of financial incentives for brownfield redevelopments. His range of expertise covers environmental site investigations and development of remediation alternatives for industrial and commercial facilities, underground storage tank (UST) sites, Superfund and RCRA Corrective Action facilities. During his career, Keith has obtained approximately \$10 million in Clean Ohio Revitalization Fund (CORF) and Clean Ohio Assistance Fund (COAF) grants for redevelopment projects, and he successfully prepared a U.S. EPA Brownfield Pilot Project grant application. Keith has served as principal author for 17 No Further Action (NFA) letters for redevelopment projects that received Covenant Not to Sue (CNS) status.

RELATED PROJECT EXPERIENCE

Certified Professional (CP) for the Columbia Manufactured Gas Plant site in Toledo. Ohio. Provided technical oversight of the project which included asbestos abatement and remediation of soil and groundwater. This VAP site received a Covenant Not to Sue (CNS) in November 2014.

Managed remediation of soil and groundwater as the Ohio VAP CP for the former Kahn's/Sara Lee plant in Cincinnati. Prepared Phase I and II Property Assessments, Remedial Action Plan, Remedial Implementation Report, Risk Assessment and NFA Letter. The CNS was issued in 2013.

CP for the former Stearns and Foster manufacturing site in Lockland, Ohio. Managed demolition of buildings, remediation of soil and groundwater, and TSCA Corrective Action for a major PCB release. Prepared all reports including the Risk Assessment and NFA Letter. CNS was issued in November 2012.

Managed the brownfield redevelopment of a former RCRA treatment, storage and disposal (TSD) facility in Rock Hill, North Carolina. Identified the soil and groundwater remediation estimate of \$50 million prepared by seller's consultant was at least \$40 million too high. At completion of remediation designed and implemented by Keith, developer had spent approximately \$3 million. Property is the Riverwalk development consisting of a 1,000-acre community of mixed residential, retail and industrial uses.

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RELATED PROJECT EXPERIENCE CONT.

Successfully prepared \$2.9 million CORF grant application for Clean Ohio funds to remediate and redevelop a former shingle manufacturing facility in Lockland. Funds were used to demolish buildings, remediate impacted soil and install underground utilities. Managed CORF budgeting and invoicing. Prepared Phase I and II Property Assessments, Remedial Action Plan and Remedial Implementation Report.

CP for former asbestos-containing building material manufacturing facility. Prepared work plan responding to deficiencies contained in NFA letter prepared by others. Recommended and monitored air sampling plan approved by State of Ohio. Prepared revised Phase II Property Assessment, Property-Specific Risk Assessment, Executive Summary and Filing Document, and NFA letter for this COAF supported project.

CP for a former china manufacturing facility in Cleveland, Ohio that was redeveloped for commercial and recreational use. The site was heavily impacted with lead requiring remediation of the soil and sediments. Remediation required interagency cooperation between VAP, Division of Surface Water, Division of Hazardous Waste Management, and Division of Solid and Infectious Waste. Project received CNS status.

CP for a former scrap metal recycling facility in Cleveland, Ohio now developed for commercial use. Site was heavily impacted with metals and petroleum hydrocarbons requiring remediation of the soil. Prepared Property-Specific Risk Assessment, Remedial Implementation Report, and Executive Summary and Filing Document. Project received CNS status.

Project Manager and CP for the redevelopment of a VAP project at a lead impacted property in Ohio. Developed a sampling strategy, provided oversight of field activities, and prepared Phase I and II Property Assessments and Remedial Implementation Reports. Project received CNS status and was transformed into a residential development.

Managed VAP projects at two aircraft parts machining facilities in Cincinnati, Ohio. Project included development of sampling strategy, oversight of field activities, preparation of Phase II Property Assessment and Project-Specific Risk Assessment reports.

Managed VAP activities related to redevelopment of a former paper mill. CNS was issued for this site.

EDUCATION

B.S., Environmental Science, University of Arkansas Graduate Studies in Geology, University of Oklahoma

REGISTRATIONS AND CERTIFICATIONS

Certified Professional (CP) – State of Ohio, Voluntary Action Program (VAP)

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CHRISTOPHER G. SHAW, CHMM

SENIOR PROJECT CONSULTANT

(317) 531-8556



shaw@sme-usa.com

- **Environmental Due Diligence**
- **Brownfield Consulting**
- Investigation and Remediation Projects
- **Project Manager**

BACKGROUND

Chris is a specialist in environmental science and works with communities to find practical and efficient solutions to brownfield redevelopment projects; as well as assisting owners and developers in solving their environmental due diligence and regulatory compliance issues. His extensive experience and expertise as a respected brownfield consultant brings a high level of value to SME's clients throughout the Midwest. With 25 years of experience in environmental consulting, he has managed a wide range of site investigation and remediation projects involving contaminated soil and groundwater. Chris has significant experience with industrial environmental compliance, as well as with various regulatory programs including brownfields. voluntary remediation underground storage tanks (USTs), leaking underground storage tanks, the Resource Conservation and Recovery Act (RCRA), and State cleanup.

RELATED PROJECT EXPERIENCE

Project Manager for seven USEPA (United States Environmental Protection Agency) Community Wide Hazardous and Petroleum Substances Assessment Grants. Responsibilities included preparation of brownfield inventory of facilities in the study area, preparation of USEPA approved Quality Assurance Project Plans (QAPPs), management of Phase I and II investigations at numerous facilities, preparation of sampling and analysis plans, health and safety plans, and technical reports.

Project Manager for the closure of numerous USTs, site characterization, remedial design investigation, corrective action planning/implementation for a regional C-Store chain, and a major petroleum company at facilities across Indiana.

Project Manager for site characterization and remediation of a salvage yard through which an interstate highway was being constructed. Site investigation revealed the presence of volatile and semi-volatile organic compounds in the soil and groundwater, as well as PCBs and hazardous concentration of lead in the soil. Remedial design and implementation were conducted on an emergency basis. Impacted soils were characterized and properly disposed of, while recovered groundwater was treated and discharged under an emergency NPDES permit. Recovered groundwater was treated at a rate of 150 gallons per minute so the site could be adequately dewatered to allow construction to continue.

Project Manager for investigation and remediation activities at six former dry cleaners for a regional property development group. Investigations included sub-slab and soil gas sampling, as well as indoor air sampling. Remediation activities included vapor barrier installations, sub-slab venting and potassium permanganate injections. Other activities included project team oversight, preparation of sampling and analysis plans, project QA/QC, health and safety plans, negotiation with regulatory agencies, technical report preparation, and interface with legal counsel.

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RELATED PROJECT EXPERIENCE CONT.

Project Manager for Phase I and II investigation activities at two large electrochemical plating operations. Contaminants of concern included cyanide, RCRA metals and chlorinated hydrocarbons. Further site investigation and remediation work plans are currently being developed. Activities included project team oversight, preparation of sampling and analysis plans, project QA/QC, health and safety plans, technical report preparation, negotiation with regulatory agencies and interface with legal counsel.

Project Manager for waste management and compliance support for two automotive parts manufacturers, comprising of a total of nine factories with approximately 4 million square feet under roof. Responsibilities included waste management, inspection of solid waste management units (SWMUs), satellite accumulation areas, and two waste storage buildings — one of which was operated as a treatment, storage and disposal (TSD) facility. Also assisted with various plan preparation and review such as Spill Prevention, Control and Countermeasure Plans (SPCCs), Stormwater Pollution Prevention Plan (SWPPP), and air permit compliance.

Project Manager for the \$9M Clark's Crossing project in Vincennes, Indiana consisting of renovating the Vincennes Community School Corporation's former administration building into a senior housing complex and restoration of the Adams Coliseum for use as a community center. Services provided included hazardous materials assessment, abatement and demolition specifications, and operations and maintenance program.

EDUCATION

B.S., Environmental Science, Ball State University

REGISTRATIONS AND CERTIFICATIONS

Certified Hazardous Materials Manager (CHMM) – Institute of Hazardous Material Management

Underground Storage Tank (UST) Decommissioning – State of Indiana Certified Asbestos Inspector – State of Indiana OSHA 40-Hour HAZWOPER Certified

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KELLY KUHN ENVIRONMENTAL SPECIALIST

(317) 518-4514

kuhn@sme-usa.com

- Environmental Services
- Phase I and II Environmental Site Assessments
- Federal Grant Proposal Development

BACKGROUND

Kelly is an Environmental Specialist with over six years of experience working in environmental remediation, environmental policy and legislative outreach. She provides services for various environmental due diligence, monitoring, assessment and remediation projects. She also works with counties, cities and coalitions on developing federal grant proposals to assess brownfield properties in their communities.

RELATED PROJECT EXPERIENCE

Assists in grant proposal writing for US EPA Community-Wide Hazardous and Petroleum Substances Assessment grants for communities in Indiana.

Performs Phase I and Phase II Environmental Site Assessments for residential, commercial and industrial sites. These assessments include site visits, project team and subcontractor scheduling, historical records review, soil and groundwater sampling, data analysis, and report preparation.

Provided assessment in support of property transfer and potential redevelopment of a former auto maintenance and repair business property in Muncie, Indiana. The property housed one commercial building, one residence and two residential garages.

Provided assessment in support of a low-income housing redevelopment in an area of Kokomo, Indiana that contained a former gasoline station, electroplating operation, and other commercial and residential structures in proximity to these properties.

Managed 45 sites across Indiana for remediation planning, risk management and adherence to State statutes. Included sites with chlorinated volatile organic compounds, metals and petroleum impacts; former manufactured gas plants; and landfills.

EDUCATION

B.S., Environmental Management, Indiana University

PROFESSIONAL TRAINING

Micro-Purge/Low-Flow Sampling Training, IDEM Chemistry Service Section Vapor Intrusion Roundtable Training, US EPA Contaminant Transport Course, National Environmental Management Academy Electrical Resistance Heating Training, TRS Group OSHA 40-Hour HAZWOPER Training

AFFILIATIONS

Midwestern States Environmental Consultants Association (MSECA)

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Passionate People Building and Revitalizing our World

